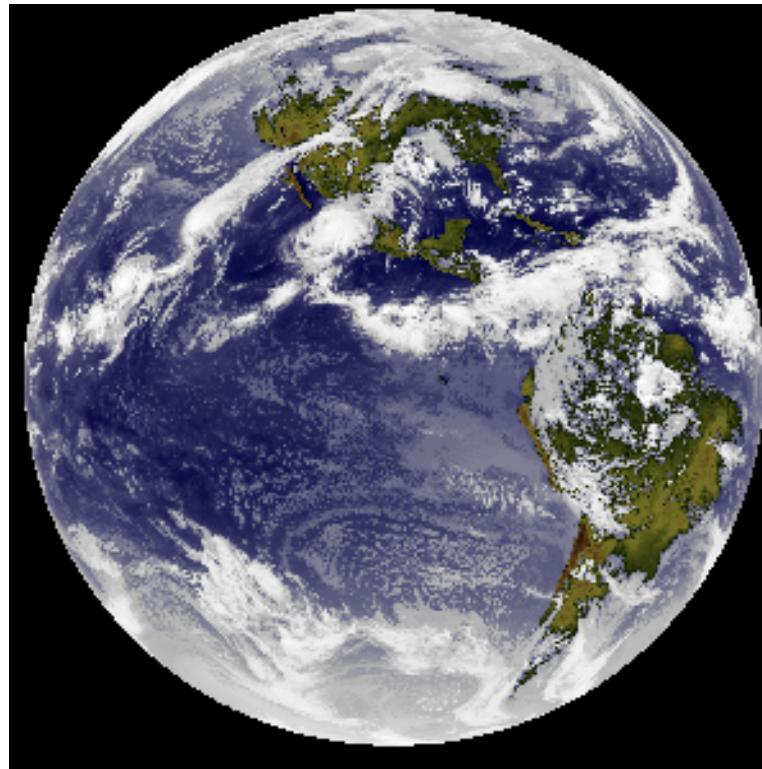


INTERNATIONAL PETROLEUM MONTHLY

November 2001



HOW TO OBTAIN EIA PRODUCTS AND SERVICES

For further information on any of the following services, or for answers to energy information questions, please contact EIA's **National Energy Information Center**:

National Energy Information Center (NEIC)	(202) 586-8800
Energy Information Administration	(202) 586-0727 (fax)
Forrestal Building, Room 1F-048	TTY: (202) 586-1181
Washington, DC 20585	E-mail: infoctr@eia.doe.gov

Electronic Products and Services

EIA's **Internet Site Services** offer nearly all EIA publications. Users can view and download selected pages or entire reports, search for information, download EIA data and analysis applications, and find out about new EIA information products and services.

World Wide Web: <http://www.eia.doe.gov>

FTP: <ftp://ftp.eia.doe.gov>

EIA also offers a **listserve** service for EIA press releases and other short documents. Sign up on the EIA World Wide Web site.

EIA's **CD-ROM, Energy InfoDisc**, contains most EIA publications, several databases, and an energy forecasting model. The **Energy InfoDisc**, produced quarterly, is available for a fee from STAT-USA, Department of Commerce, 1-800-STAT-USA.

The **Comprehensive Oil and Gas Information Source (COGIS)**, a bulletin board service, contains data files from most of EIA's oil- and gas-related reports. It is available for a fee from STAT-USA, on 1-800-STAT-USA.

Many of EIA's **data files and modeling programs** are available for sale on diskette, tape, or cartridge, through either the National Technical Information Service or the Office of Scientific and Technical Information, Department of Energy. Contact NEIC for information on specific products, sources, and media, and ordering instructions.

Printed Publications

EIA **directories** are available free of charge from NEIC. Recent **periodicals and one-time reports** are available from the Government Printing Office. Older reports are available from the National Technical Information Service:

Superintendent of Documents
U.S. Government Printing Office
P.O. Box 371954
Pittsburgh, PA 15250-7954
(202) 512-1800; (202)-512-2250 (fax)

National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22161
(703) 487-4650; (703) 321-8547 (fax)

Preface

The International Petroleum Monthly is a monthly publication that provides current international oil data. This report is published for the use of Members of Congress, Federal agencies, State agencies, industry, and the general public. Publication of this report is in keeping with responsibilities given the Energy Information Administration in Public Law 95-91 (Section 205(a)(2)) that states:

"The Administrator shall be responsible for carrying out a central, comprehensive, and unified energy data and information program which will collect, evaluate, assemble, analyze and disseminate data and information ..."

The International Petroleum Monthly presents data on international oil production, demand, imports, and stocks. The report has four sections. Section 1 contains time series data on world oil production, and on oil demand and stocks in the Organization for Economic Cooperation and Development (OECD). This section contains annual data beginning in 1990 or 1997, and monthly data for the most recent two years. Section 2 presents an oil supply/demand balance for the world. This balance is presented in quarterly intervals for the most recent two years and annually for the three years prior to that. Section 3 presents data on oil imports by OECD countries. This section contains annual data for the most recent year, quarterly data for the most recent two quarters, and monthly data for the most recent twelve months. Section 4 presents annual time series data on world oil production and oil stocks, demand, and trade in OECD countries. World oil production and OECD demand data are for the years 1970 through 2000; OECD stocks from 1973 through 2000; and OECD trade from 1990 through 2000.

Data for the United States are developed by the Energy Information Administration's (EIA) Office of Oil and Gas. Data for other countries are derived largely from published sources, including International Energy Agency publications, the EIA International Energy Annual, and the trade press. (See sources after each section.) All data are reviewed by the International Energy Statistics Team of EIA. All data have been converted to units of measurement familiar to the American public. Definitions of oil production and consumption are consistent with other EIA publications.

General information about this publication may be obtained from W. Calvin Kilgore, Director, Office of Energy Markets and End Use, (202) 586-1617, and from Louis D. DeMouy, Director, Integrated Energy Statistics Division, (202) 586-8994. Detailed questions and comments concerning the contents of the International Petroleum Monthly may be directed to Patricia A. Smith (202) 586-6925, or H. Vicky McLaine (202) 586-9412; Energy Market Chronology - Lowell Feld (202) 586-9502.

Note: Data for the Czech Republic, Hungary, Mexico, Poland, and South Korea have been added to the Organization for Economic Cooperation and Development (OECD) in Figures 3 and 4 and in Tables 1.5 - 1.7, 2.1 - 2.4, 3.1 - 3.6, 3.9, 4.5 - 4.9, 4.12, and 4.16 - 4.18.

Energy Market Chronology - October 2001

The following chronology lists international events that hold significance for world energy markets. Sources include: Associated Press (AP), Dow Jones Business News (DJ), The Los Angeles Times (LAT), The New York Times (NYT), The Oil Daily, Reuters, The Washington Post (WP), The Wall Street Journal (WSJ), and World Markets Online (WMO).

- October 2** The California Public Utilities Commission approves a plan that would save Southern California Edison from bankruptcy by allowing the utility to pay off \$3.3 billion in debt and eventually to resume normal operations. The plan would keep current high electricity rates in place for several years. The utility and its shareholders would pay off slightly less than half of the cost of retiring the debt, and the utility's customers would pay off the remainder under the plan. The plan is temporarily blocked for two weeks on October 30, pending a civil suit. (LAT, NYT)
- October 4** The U.S. Energy Information Administration releases its Winter Fuels Outlook 2001/2002, which predicts lower gasoline, heating fuel, and electricity costs for this winter as compared with the previous one. The main reasons are adequate inventories and declining energy demand because of the weaker economy. (NYT)
- Japan's National Police Agency tightens security around 34 nuclear electric power plants, government buildings, and U.S. facilities in Japan in response to the September 11 terrorist attacks in the United States. (AP)
- October 7** Crude oil resumes flowing through the trans-Alaska pipeline after workers welded shut a bullet hole that caused 260,000 gallons of oil to spill out. The pipeline, which carries about 17 percent of the United States' oil production, had been shut down on October 4 after being pierced by a bullet in an apparent act of criminal mischief. (DJ)
- Air raids by the United States and its coalition partner, Great Britain, begin against Taliban and al-Qaeda targets in Afghanistan, after the Taliban refuse to hand over alleged terrorist mastermind Osama Bin Laden and his associates. The raids are intended to "...disrupt the use of Afghanistan as a terrorist base of operations and to attack the military capability of the Taliban regime," according to U.S. President George Bush. (Reuters)
- October 8** The Federal Energy Regulatory Commission (FERC) orders four companies—Dynegy, Mirant, Williams, and Reliant Energy—to give refunds because the prices they charged for electricity in July exceeded federal limits. The amounts were not specified, but the order comes after FERC set price ceilings in June for ten western states that the companies did not abide by. (LAT)
- Burlington Resources agrees to purchase Canadian Hunter Exploration for \$2.08 billion. Canadian Hunter Exploration has estimated proven reserves of 1.2 trillion cubic feet of natural gas, 90 percent of which are in Canada, and 6.2 million barrels of oil and natural gas liquids. Canadian Hunter Exploration also has two million acres that are undeveloped. This deal expands Burlington Resources' reserve base by 12 percent, to 11.5 trillion cubic feet of natural gas equivalent. (WSJ)
- Enron agrees to sell its Portland General Electric Utility unit to Northwest Natural Gas for \$1.88 billion in cash and stock. Northwest Natural Gas also is expected to assume \$1.1 billion in debt. After the sale, Northwest Natural Gas will have assets of \$5 billion, more than 1.25 million customers, 2,000 megawatts of generation capacity, 26,000 miles of electric transmission and distribution lines, and 12,000 miles of natural gas distribution lines. (DJ)
- October 9** Royal Dutch/Shell announces that it will acquire Texaco's interests in two U.S. refining ventures, Motiva Enterprises and Equilon Enterprises, for \$2.1 billion in cash, and the assumption of \$1.4 billion in debt, and \$300 million in pension liabilities. Texaco agreed to sell the companies as part of an agreement with the U.S. Federal Trade Commission allowing Texaco to complete its merger with Chevron. Motiva will be wholly owned by Shell, and Equilon will be majority owned by Shell and minority owned by Saudi Refining. Motiva and Equilon own over 20,000 gasoline stations and eight refineries in the U.S. (DJ)
- The U.S. House of Representatives passes a measure urging the Bush Administration to add more oil to the Strategic Petroleum Reserve. The resolution, which is not legally binding, urges that the emergency stockpile be expanded to its full capacity of 1 billion barrels. (AP)

- October 11** The Federal Energy Regulatory Commission (FERC) approves a plan by the Williams Companies to reopen the Cove Point, Maryland, liquefied natural gas (LNG) terminal by April, 2002. The facility had been closed in the 1980s, as it was then uneconomic, but it may now serve as an alternative to Boston's Everett terminal (see October 16) and El Paso Energy will most likely make use of the facility (see October 18). The Cove Point terminal has connections to a number of important east coast pipelines. (WMO)
- October 15** The first tanker loading from the new \$2.5 billion Kazakh-Russia Pipeline takes place. This is a trial run that informally inaugurates the pipeline. Initial capacity of the pipeline is expected to be around 560,000 barrels per day. The Caspian Pipeline Consortium, led by ChevronTexaco, operates the pipeline. (Reuters)
- October 16** The U.S. Coast Guard lifts a ban on liquefied natural gas (LNG) tankers entering Boston Harbor to make deliveries to Distrigas' Everett LNG terminal that had been imposed on September 26 in response to the terrorist attacks of September 11. LNG regassified at the Everett terminal normally provides 15 to 20 percent of the natural gas that heats homes and businesses in New England, with the percentage rising to 35 percent on the coldest days. On October 26, the Mayor of Boston asks a federal court to prevent LNG tankers from entering Boston Harbor because he claims there are inadequate disaster response plans. (Reuters)
- October 17** Norway's Labor Prime Minister Jens Stoltenberg announces that he will resign effective October 19, so that a new coalition government, headed by Kjell Magne Bondevik and consisting of the Conservative Party and the Christian People's Party, can take power. The incoming government has promised to cut taxes, rationalize state ownership, and boost privatization. (Reuters)
- Venezuela's state-owned natural gas entity, Enagas, announces that it will increase its ownership share of the proposed \$2.2 billion Cristobal liquefied natural gas (LNG) project from 30 percent to 60 percent, sharply reducing the shares of its partners ExxonMobil, Royal Dutch/Shell, and Mitsubishi. It is feared that this may jeopardize the future of the project. (Oil Daily)
- October 18** Crude oil for November delivery falls to its lowest level since August 1999 on the New York Mercantile Exchange (NYMEX). Light, sweet crude falls 50 cents to settle at \$21.31 per barrel. Brent crude for December delivery closes at \$20.36 per barrel on London's International Petroleum Exchange (IPE), down 37 cents. Poor economic prospects in the next few months and OPEC's inability to respond so far are seen as factors contributing to the decrease in crude oil prices. (Oil Daily)
- El Paso Energy announces that it will buy 1.8 million metric tons per year of liquefied natural gas (LNG) from Norway's Snohvit LNG project, led by Statoil, in what will be Norway's first LNG project. Deliveries will begin in 2006 to Williams Companies' Cove Point, Maryland, terminal, though El Paso Energy may make use of other terminals as well. (Oil Daily)
- October 22** OPEC announces that its 10 members with output restrictions implemented only 539,000 barrels per day of a promised one million-barrel-per-day crude oil production cut in September. (Reuters)
- The natural gas transportation unit of Brazilian state energy company Petrobras invites private firms to submit requests for the expansion of the BrazBol imports route, a key move toward free access to the pipeline between Brazil and Bolivia. Moreover, Petrobras will not be able to acquire more than a 40 percent share of new capacities under the rules recently imposed by the National Petroleum Agency (ANP). (Reuters)
- October 25** Some 34,000 Brazilian oil workers go on strike against Petrobras, dramatically reducing oil production and refining. Crude oil production falls by 60 to 70 percent and natural gas production by 34 percent. Eight of eleven refineries reduce or cease operations. Workers claim that Petrobras' \$2 billion in profits in the first half of 2001 should be used to raise salaries. Workers end the strike on October 29 after accepting a smaller wage hike proposal than they had demanded. (Reuters, Oil Daily)
- October 28** Mexican President Vicente Fox states that Mexico, despite pressure from OPEC to help reverse low oil prices, will not cut or freeze state oil company Pemex's crude oil output for now. This will make it more difficult for OPEC's production quota cuts to have a lasting effect on world oil prices. (Reuters)

- October 29** ExxonMobil announces that a consortium it leads will spend \$4 billion over 5 years to develop large offshore oil and natural gas fields in Russia's far eastern Sakhalin region. The fields are estimated to contain 2.3 billion barrels of oil and 17 trillion cubic feet of natural gas. ExxonMobil will be the operator and own a 30 percent interest in the fields. Sakhalin Oil and Gas Development of Japan will own 30 percent, ONGC Videsh of India 20 percent, Sakhalinmorneftegas-Shelf of Russia 11.5 percent, and RN-Astra of Russia 8.5 percent. The total investment could grow to \$12 billion over the 30 to 40 year project life. This is the single largest foreign investment in Russia, as Russia continues to undertake market reforms. (WSJ, NYT)
- Experts from OPEC member countries and from non-OPEC countries Russia, Egypt, Norway, Mexico, Kazakhstan, and Angola, meet in Vienna to discuss the outlook for oil markets, but no recommendations for production cuts are made. Few details of the meeting are released. (DJ)
- October 30** U.S. retail gasoline prices fall to \$1.27 per gallon, a drop of 26 cents per gallon since mid-September, and the lowest level since early-January 2000. This is despite the fact that average U.S. gasoline demand for the past four weeks was up 1.7 percent to 8.6 million barrels per day, compared to the same period a year ago, according to the U.S. Energy Information Administration. (DJ)
- The U.S. Federal Aviation Administration (FAA) releases a statement banning aircraft flying under 18,000 feet from flying within a radius of 10 nautical miles of 86 sensitive nuclear sites. This follows a general terrorist threat warning issued by the FBI, in response to which Homeland Security Director Tom Ridge urges U.S. energy companies to be on high alert. (WMO)
- October 31** The U.S. Department of Commerce releases data that shows that the U.S. economy declined by 0.4 percent for the quarter ending in September. This is the first contraction since the first quarter of 1993. (Reuters)
- OPEC President (and Algerian Oil Minister) Chakib Khelil states that OPEC oil producers are prepared to cut supply to get weak oil prices back up to the group's \$25-per-barrel target price. OPEC member Kuwait states that it will support any move that OPEC makes. (Reuters)

Contents

	Page
Section 1. Annual and Monthly Oil Data	
Table 1.1a World Crude Oil Production (Including Lease Condensate), 1990-Present	4
Table 1.1b World Crude Oil Production (Including Lease Condensate), 1990-Present	5
Table 1.1c World Crude Oil Production (Including Lease Condensate), 1990-Present	6
Table 1.2 OPEC Crude Oil Production (Excluding Condensate), 1990-Present	7
Table 1.3 World Natural Gas Plant Liquids Production, 1990-Present	8
Table 1.4 World Oil Supply, 1990-Present	9
Table 1.5 Oil Stocks in OECD Countries, End of Period	10
Table 1.6 Commercial and Government-Owned Oil Stocks in OECD Countries	11
Table 1.7 OECD Oil Demand, 1997-Present	12
Section 2. International Oil Balance	
Table 2.1 World Oil Balance, 1997-2001	16
Table 2.2 World Oil Supply, 1997-2001	17
Table 2.3 Oil Stocks, End of Period	18
Table 2.4 World Oil Demand, 1997-2001.	19
Section 3. International Oil Imports	
Table 3.1 Net Oil Imports Into OECD Countries (2000 Average)	22
Table 3.2 Net Oil Imports Into OECD Countries (2nd Quarter 2001)	23
Table 3.3 Net Oil Imports Into OECD Countries (1st Quarter 2001)	24
Table 3.4 OECD Total Net Imports (Most Recent 12 Months).	25
Table 3.5 OECD Imports From OPEC (Most Recent 12 Months)	26
Table 3.6 OECD Imports From Persian Gulf (Most Recent 12 Months)	27
Table 3.7 United States--Net Oil Imports (Most Recent 12 Months)	28
Table 3.8 Japan--Net Oil Imports (Most Recent 12 Months)	29
Table 3.9 OECD Europe--Net Oil Imports (Most Recent 12 Months)	30
Table 3.10 France--Net Oil Imports (Most Recent 12 Months)	31
Table 3.11 Germany--Net Oil Imports (Most Recent 12 Months)	32
Table 3.12 Italy--Net Oil Imports (Most Recent 12 Months)	33
Table 3.13 Korea, South--Net Oil Imports (Most Recent 12 Months)	34
Table 3.14 OECD Imports from Iraq (Most Recent 12 Months)	35
Table 3.15 OECD Imports From Kuwait (Most Recent 12 Months)	36

Contents - Continued

	Page
Section 4. Historical Oil Data Series	
Table 4.1a World Crude Oil Production (Including Lease Condensate), 1970-2000	40
Table 4.1b World Crude Oil Production (Including Lease Condensate), 1970-2000	41
Table 4.1c World Crude Oil Production (Including Lease Condensate), 1970-2000	42
Table 4.2 OPEC Crude Oil Production (Excluding Condensate), 1980-2000	43
Table 4.3 World Natural Gas Plant Liquids Production, 1970-2000	44
Table 4.4 World Oil Supply, 1970-2000	45
Table 4.5 Oil Stocks in OECD Countries, End of Year	46
Table 4.6 World Oil Demand, 1970-2000	47
Table 4.7 OECD Total Net Imports, 1990-2000	48
Table 4.8 OECD Imports From OPEC, 1990-2000	49
Table 4.9 OECD Imports From Persian Gulf, 1990-2000	50
Table 4.10 United States--Net Oil Imports, 1990-2000	51
Table 4.11 Japan--Net Oil Imports, 1990-2000	52
Table 4.12 OECD Europe--Net Oil Imports, 1990-2000	53
Table 4.13 France--Net Oil Imports, 1990-2000	54
Table 4.14 Germany--Net Oil Imports, 1990-2000	55
Table 4.15 Italy--Net Oil Imports, 1990-2000	56
Table 4.16 Korea, South--Net Oil Imports, 1990-2000	57
Table 4.17 OECD Imports From Iraq, 1990-2000	58
Table 4.18 OECD Imports From Kuwait, 1990-2000	59
Appendix A. Organizational and Geographical Definitions	62
Appendix B. Explanatory Notes	64
Appendix C. Glossary	68
Appendix D. Estimation Procedures	72
Appendix E. Conversions	
Table E1. Refined Petroleum Products Conversion Factors	74
Table E2. Barrels of Crude Oil per Metric Ton, 1990-1999	75
Figures	
Figure 1. World Crude Oil Production, Monthly	2
Figure 2. Leading Crude Oil Producers, Monthly	2
Figure 3. OECD Oil Consumption, Monthly	3
Figure 4. OECD Oil Stocks, Monthly	3

1. Annual and Monthly Oil Data

Figure 1. World Crude Oil Production, Monthly

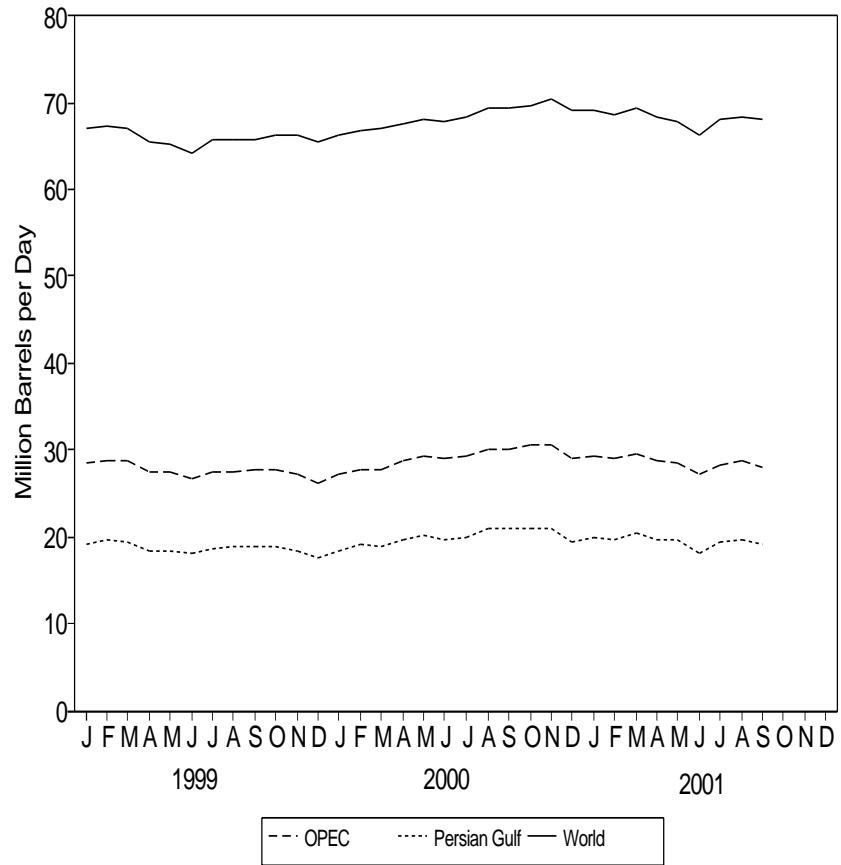
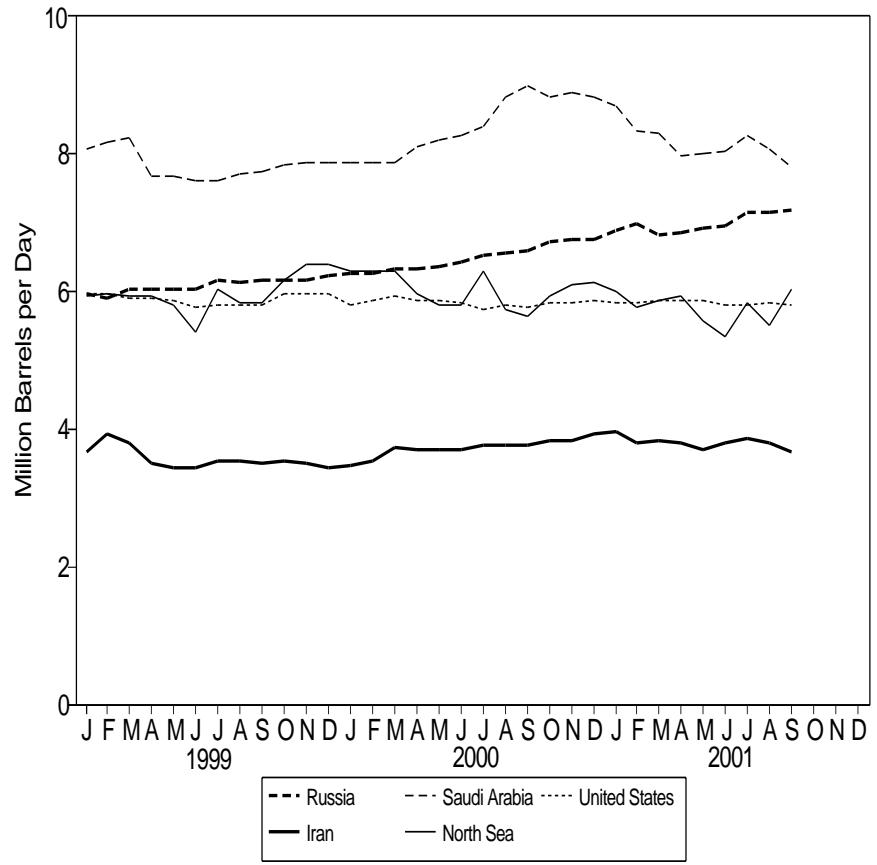


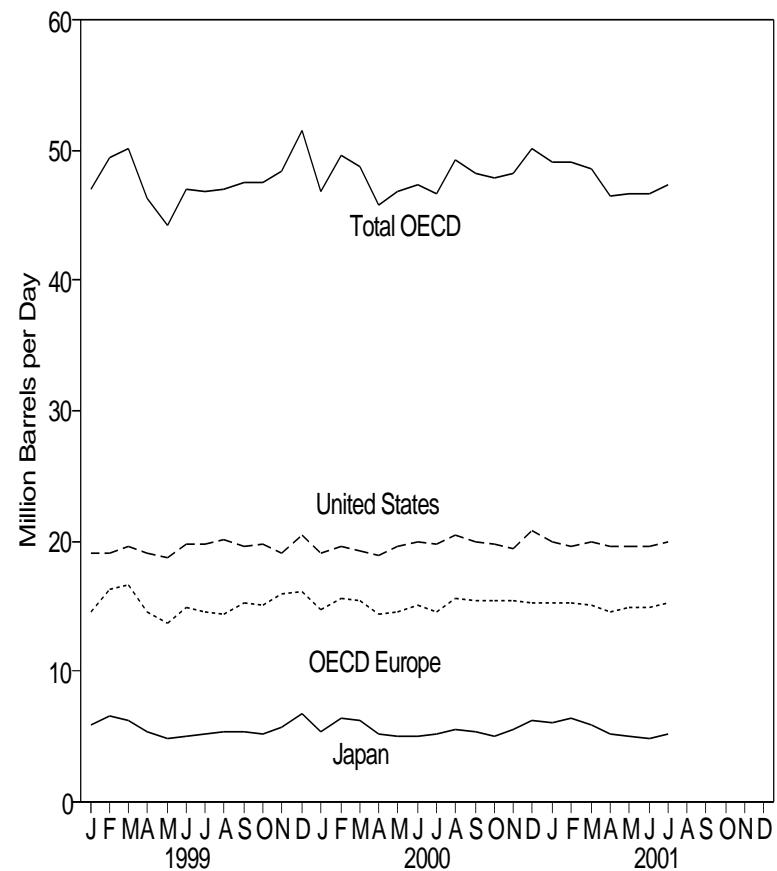
Figure 2. Leading Crude Oil Producers, Monthly



Source: Tables 1.1a-1.1c

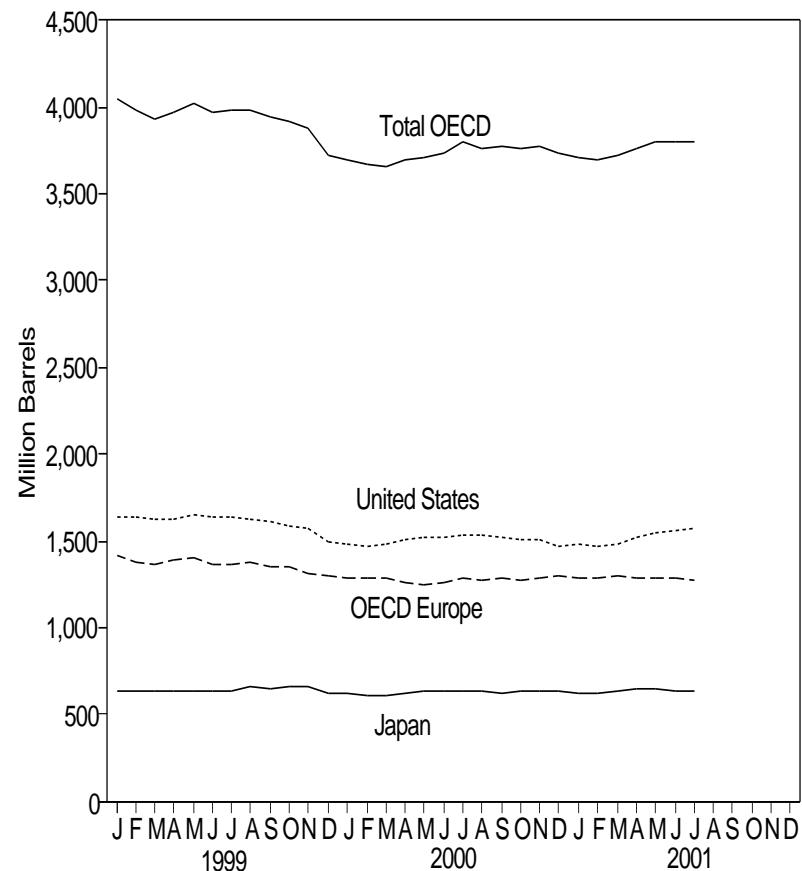
Source: Tables 1.1a-1.1c

Figure 3. OECD Oil Consumption, Monthly



Source: Table 1.7

Figure 4. OECD Oil Stocks, Monthly



Source: Table 1.5

Table 1.1a World Crude Oil Production (Including Lease Condensate), 1990-Present
(Thousand Barrels per Day)

	Algeria	Indo-nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene-zuela	Total OPEC
1990 Average.....	1,175	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,195
1991 Average.....	1,230	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,275
1992 Average.....	1,214	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	24,398
1993 Average.....	1,162	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	25,119
1994 Average.....	1,180	1,510	3,618	553	2,025	1,378	1,931	415	8,120	2,193	2,588	25,510
1995 Average.....	1,202	1,503	3,643	560	2,057	1,390	1,993	442	8,231	2,233	2,750	26,004
1996 Average.....	1,242	1,547	3,686	579	2,062	1,401	2,001	510	8,218	2,278	2,938	26,461
1997 Average.....	1,277	1,520	3,664	1,155	2,007	1,446	2,132	550	8,362	2,316	3,280	27,710
1998 Average.....	1,246	1,518	3,634	2,150	2,085	1,390	2,153	696	8,389	2,345	3,167	28,774
1999 Average.....	1,202	1,472	3,557	2,508	1,898	1,319	2,130	665	7,833	2,169	2,826	27,579
2000 January.....	1,190	1,460	3,465	2,215	1,962	1,330	2,010	695	7,863	2,245	2,790	27,225
February.....	1,190	1,430	3,525	2,595	2,015	1,380	2,060	705	7,865	2,250	2,850	27,865
March.....	1,190	1,430	3,735	2,215	2,040	1,390	2,080	705	7,865	2,300	2,850	27,800
April.....	1,230	1,460	3,675	2,655	2,100	1,400	2,140	715	8,100	2,380	2,900	28,755
May.....	1,240	1,490	3,685	3,055	2,100	1,400	2,110	735	8,200	2,380	2,930	29,325
June.....	1,250	1,490	3,705	2,565	2,150	1,420	2,140	735	8,250	2,280	2,950	28,935
July.....	1,250	1,490	3,750	2,525	2,170	1,425	2,180	755	8,390	2,320	2,970	29,225
August.....	1,260	1,490	3,750	2,995	2,173	1,420	2,160	755	8,823	2,380	2,980	30,185
September.....	1,250	1,490	3,755	2,875	2,170	1,430	2,110	755	8,975	2,390	2,980	30,180
October.....	1,270	1,460	3,835	3,005	2,210	1,440	2,210	760	8,800	2,410	3,050	30,450
November.....	1,265	1,450	3,830	2,815	2,215	1,440	2,260	765	8,900	2,415	3,050	30,405
December.....	1,280	1,455	3,905	1,355	2,210	1,445	2,265	765	8,800	2,420	3,080	28,980
2000 Average.....	1,239	1,466	3,719	2,571	2,126	1,410	2,144	737	8,404	2,348	2,949	29,113
2001 January.....	1,280	1,435	3,935	1,735	2,200	1,450	2,285	775	8,700	2,440	3,100	29,335
February.....	1,250	1,440	3,785	2,195	2,130	1,400	2,255	735	8,320	2,380	3,030	28,920
March.....	1,250	1,395	3,835	2,855	2,100	1,390	2,285	735	8,300	2,420	3,000	29,565
April.....	1,235	1,352	3,785	2,930	2,010	1,380	2,210	715	7,950	2,330	2,920	28,817
May.....	1,250	1,362	3,685	2,905	1,993	1,360	2,140	725	8,000	2,277	2,890	28,587
June.....	1,270	1,382	3,785	1,105	2,030	1,370	2,205	735	8,050	2,260	2,900	27,092
July.....	1,280	1,370	3,875	2,145	2,020	1,380	2,140	735	8,250	2,240	2,890	28,325
August.....	1,280	1,360	3,785	2,875	2,035	1,380	2,207	725	8,070	2,227	2,880	28,824
September.....	1,250	1,350	3,655	2,673	1,970	1,350	2,360	685	7,800	2,150	2,720	27,963
2001 Average.....	1,261	1,382	3,792	2,383	2,054	1,384	2,231	730	8,161	2,302	2,925	28,607

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from January 1990 through July 1990 and beginning again in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In September 2001, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 640 thousand barrels per day. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

Notes: •OPEC=Organization of Petroleum Exporting Countries. •Monthly data are often preliminary and also may not average to the annual totals due to rounding.

Sources: See end of Section 1.

Table 1.1b World Crude Oil Production (Including Lease Condensate), 1990-Present
 (Thousand Barrels per Day)

	Norway	United Kingdom	North Sea ^{1/}	Angola	Argen-tina	Austra- lia	Brazil	Canada	China	Colombia	Ecuador
1990 Average.....	1,704	1,820	3,667	475	483	575	631	1,553	2,774	440	285
1991 Average.....	1,890	1,797	3,811	500	485	545	630	1,548	2,835	419	299
1992 Average.....	2,229	1,825	4,182	526	553	535	626	1,605	2,845	433	321
1993 Average.....	2,350	1,915	4,403	509	594	503	643	1,679	2,890	456	344
1994 Average.....	2,521	2,375	5,058	536	650	536	671	1,746	2,939	450	365
1995 Average.....	2,768	2,489	5,400	646	715	562	695	1,805	2,990	585	392
1996 Average.....	3,104	2,568	5,822	709	756	570	795	1,837	3,131	623	396
1997 Average.....	3,143	2,518	5,830	714	834	588	841	1,922	3,200	652	388
1998 Average.....	3,017	2,616	5,806	735	847	544	969	1,981	3,198	733	375
1999 Average.....	3,018	2,684	5,958	766	802	539	1,132	1,907	3,195	816	373
2000 January.....	3,233	2,721	6,283	760	785	717	1,090	1,979	3,250	755	390
February.....	3,348	2,644	6,299	760	760	781	1,090	1,991	3,280	705	390
March.....	3,248	2,678	6,274	760	760	730	1,100	1,892	3,280	725	390
April.....	3,052	2,549	5,954	750	755	717	1,110	1,894	3,300	725	375
May.....	3,149	2,311	5,792	760	755	718	1,120	1,990	3,250	690	370
June.....	2,984	2,446	5,785	750	750	737	1,185	2,020	3,295	705	373
July.....	3,398	2,535	6,273	750	760	742	1,206	1,986	3,280	718	401
August.....	3,025	2,370	5,733	760	770	723	1,225	1,955	3,205	640	410
September.....	3,012	2,315	5,638	740	763	651	1,305	2,007	3,220	642	425
October.....	3,247	2,334	5,930	723	759	681	1,320	1,961	3,210	595	420
November.....	3,327	2,389	6,086	723	757	731	1,365	2,029	3,206	695	415
December.....	3,336	2,413	6,113	721	759	733	1,420	2,021	3,212	693	380
2000 Average.....	3,197	2,475	6,013	746	761	722	1,212	1,977	3,249	691	395
2001 January.....	3,325	2,338	5,999	746	767	682	1,322	2,032	3,220	674	420
February.....	3,153	2,279	5,754	749	768	662	1,345	2,052	3,330	613	408
March.....	3,215	2,323	5,858	731	764	673	1,264	2,070	3,376	560	425
April.....	3,279	2,318	5,909	739	775	635	1,273	2,046	3,302	567	425
May.....	3,011	2,262	5,566	733	784	604	1,205	2,027	3,310	565	420
June.....	3,013	2,128	5,333	728	778	644	1,298	1,971	3,312	563	424
July.....	3,349	2,234	R5,831	R713	773	649	1,308	1,953	3,262	598	R406
August.....	R2,959	R2,239	R5,507	R701	772	R635	R1,289	R1,954	3,303	R668	R408
September.....	3,235	2,429	6,032	710	768	647	1,302	2,004	3,288	670	404
2001 Average.....	3,171	2,283	5,754	728	772	648	1,289	2,012	3,300	609	416

^{1/} North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.

R=Revised data.

Notes: •Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.1c World Crude Oil Production (Including Lease Condensate), 1990-Present
 (Thousand Barrels per Day)

	Egypt	Gabon	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other ¹ / World
1990 Average.....	873	270	660	619	2,553	685	--	10,975	388	7,355	2,253 60,566
1991 Average.....	874	294	615	646	2,680	700	--	9,992	492	7,417	2,274 60,207
1992 Average.....	881	298	561	653	2,669	740	7,632	--	481	7,171	3,229 60,213
1993 Average.....	890	313	534	640	2,673	776	6,730	--	554	6,847	3,279 60,236
1994 Average.....	896	329	590	645	2,685	810	6,135	--	560	6,662	3,380 60,991
1995 Average.....	920	365	703	682	2,618	851	5,995	--	575	6,560	3,414 62,335
1996 Average.....	922	368	651	695	2,855	883	5,850	--	582	6,465	3,490 63,711
1997 Average.....	856	370	675	700	3,023	904	5,920	--	561	6,452	3,719 65,690
1998 Average.....	834	352	661	720	3,070	900	5,854	--	553	6,252	3,936 66,921
1999 Average.....	852	340	653	693	2,906	887	6,079	--	538	5,881	4,231 65,870
2000 January.....	740	350	635	680	3,032	890	6,239	--	530	5,784	4,377 66,163
February.....	735	350	621	680	2,897	915	6,248	--	530	5,852	4,342 66,784
March.....	730	350	620	660	2,998	920	6,321	--	530	5,918	4,405 66,816
April.....	735	350	630	660	3,041	900	6,308	--	520	5,854	4,486 67,467
May.....	725	350	645	660	3,040	910	6,352	--	520	5,847	4,464 67,950
June.....	720	340	655	670	3,056	880	6,421	--	520	5,823	4,483 67,748
July.....	706	320	655	670	2,876	900	6,494	--	510	5,739	4,506 68,378
August.....	695	320	655	720	3,162	970	6,546	--	500	5,789	4,539 69,164
September....	690	320	655	720	3,173	980	6,590	--	500	5,758	4,543 69,189
October.....	685	310	655	720	2,861	995	6,711	--	540	5,809	4,640 69,626
November....	680	300	662	720	2,965	1,025	6,737	--	540	5,833	4,670 70,174
December....	677	300	667	720	3,043	1,000	6,771	--	534	5,855	4,674 68,910
2000 Average.....	710	330	646	690	3,012	940	6,479	--	523	5,822	4,511 68,200
2001 January....	669	300	667	650	3,087	965	6,875	--	532	E5,836	4,630 69,072
February....	659	296	638	650	3,136	965	6,966	--	530	E5,840	4,675 68,634
March.....	655	298	640	650	3,151	980	6,808	--	528	E5,878	4,697 69,251
April.....	652	300	625	650	3,008	956	6,855	--	522	E5,854	4,738 68,336
May.....	596	303	611	650	3,031	983	6,917	--	520	E5,859	4,701 67,678
June.....	627	300	606	670	3,140	972	6,956	--	518	E5,799	4,584 66,122
July.....	630	303	620	R665	R3,185	973	7,124	--	516	E5,806	R4,669 R68,061
August.....	634	301	R654	R665	R3,175	957	7,125	--	514	RE5,823	R4,707 R68,307
September....	638	304	650	665	3,177	936	7,189	--	512	PE5,785	4,798 68,074
2001 Average....	640	301	635	657	3,121	965	6,979	--	521	PE5,831	4,689 68,173

¹/ Other is a calculated total derived from the difference between "World" and the sum of production in "Total OPEC" (Table 1.1a) and all other countries listed (Tables 1.1b and 1.1c). The total "North Sea" is not subtracted from the world total, though Norway and the United Kingdom have been subtracted.

-- = Not applicable. E=Estimated. PE=Preliminary estimate. RE=Revised estimate.

Notes: •Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.2 OPEC Crude Oil Production (Excluding Condensate), 1990-Present
 (Thousand Barrels per Day)

		Algeria	Indo-nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene-zuela	Total OPEC
1990	Average...	765	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,100	22,461
1991	Average...	800	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,506
1992	Average...	772	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	23,558
1993	Average...	747	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	24,304
1994	Average...	750	1,334	3,583	548	2,025	1,378	1,821	380	8,120	2,113	2,542	24,594
1995	Average...	767	1,343	3,608	555	2,057	1,390	1,878	407	8,231	2,148	2,710	25,094
1996	Average...	812	1,367	3,651	574	2,062	1,401	1,885	475	8,218	2,198	2,898	25,541
1997	Average...	847	1,355	3,629	1,150	2,007	1,446	2,017	515	8,362	2,236	3,240	26,804
1998	Average...	816	1,338	3,599	2,145	2,085	1,390	2,043	661	8,389	2,265	3,127	27,858
1999	Average...	772	1,324	3,522	2,503	1,898	1,319	2,020	630	7,833	2,089	2,776	26,686
2000	January...	760	1,280	3,430	2,210	1,962	1,330	1,900	660	7,863	2,165	2,740	26,300
	February..	760	1,250	3,490	2,590	2,015	1,380	1,950	670	7,865	2,170	2,800	26,940
	March.....	760	1,250	3,700	2,210	2,040	1,390	1,970	670	7,865	2,220	2,800	26,875
	April.....	800	1,280	3,640	2,650	2,100	1,400	2,030	680	8,100	2,300	2,850	27,830
	May.....	810	1,310	3,650	3,050	2,100	1,400	2,000	700	8,200	2,300	2,880	28,400
	June.....	820	1,310	3,670	2,560	2,150	1,420	2,030	700	8,250	2,200	2,900	28,010
	July.....	820	1,310	3,715	2,520	2,170	1,425	2,070	720	8,390	2,400	2,920	28,300
	August....	830	1,310	3,715	2,990	2,173	1,420	2,050	720	8,823	2,300	2,930	29,260
	September.	820	1,310	3,720	2,870	2,170	1,430	2,000	720	8,975	2,310	2,930	29,255
	October...	840	1,280	3,800	3,000	2,210	1,440	2,100	725	8,800	2,330	3,000	29,525
	November..	835	1,270	3,795	2,810	2,215	1,440	2,150	730	8,900	2,335	3,000	29,480
	December..	850	1,275	3,870	1,350	2,210	1,445	2,155	730	8,800	2,340	3,030	28,055
2000	Average...	809	1,286	3,684	2,566	2,126	1,410	2,034	702	8,404	2,268	2,899	28,188
2001	January...	850	1,255	3,900	1,730	2,200	1,450	2,150	740	8,700	2,360	3,050	28,385
	February..	820	1,260	3,750	2,190	2,130	1,400	2,120	700	8,320	2,300	2,980	27,970
	March.....	820	1,235	3,800	2,850	2,100	1,390	2,150	700	8,300	2,340	2,950	28,635
	April.....	805	1,210	3,750	2,925	2,010	1,380	2,070	680	7,950	2,250	2,870	27,900
	May.....	820	1,220	3,650	2,900	1,993	1,360	2,000	690	8,000	2,197	2,840	27,670
	June.....	840	1,240	3,750	1,100	2,030	1,370	2,065	700	8,050	2,180	2,850	26,175
	July.....	850	1,220	3,840	2,140	2,020	1,380	2,000	700	8,250	2,160	2,840	27,400
	August....	850	1,210	3,750	2,870	2,035	1,380	2,067	690	8,070	2,147	2,830	27,899
	September.	820	1,200	3,620	2,668	1,970	1,350	2,220	650	7,800	2,070	2,670	27,038
2001	Average...	831	1,228	3,757	2,378	2,054	1,384	2,093	695	8,161	2,222	2,875	27,678

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from January 1990 through July 1990 and beginning again in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. In September 2001, Neutral Zone production by both Kuwait and Saudi Arabia totaled about 640 thousand barrels per day. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

Notes: •OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

•Monthly data are often preliminary and also may not average to the annual totals due to rounding.

Sources: See end of Section 1.

Table 1.3 World Natural Gas Plant Liquids Production, 1990-Present
 (Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Russia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1990 Average.....	130	426	428	620	--	425	1,559	930	1,107	1,281	4,632
1991 Average.....	140	431	457	680	--	420	1,659	931	1,113	1,299	4,827
1992 Average.....	140	460	454	713	230	--	1,697	1,003	1,185	1,364	4,974
1993 Average.....	145	506	459	704	220	--	1,736	1,040	1,238	1,435	5,180
1994 Average.....	140	529	461	698	200	--	1,727	1,071	1,267	1,465	5,292
1995 Average.....	145	581	447	701	180	--	1,762	1,106	1,301	1,506	5,485
1996 Average.....	150	596	423	697	185	--	1,830	1,082	1,295	1,501	5,576
1997 Average.....	160	636	388	712	195	--	1,817	1,152	1,384	1,589	5,721
1998 Average.....	155	651	424	755	220	--	1,759	1,225	1,449	1,662	5,874
1999 Average.....	190	653	439	666	231	--	1,850	1,152	1,411	1,648	5,984
2000 January.....	190	701	463	665	238	--	1,956	1,160	1,417	1,660	6,258
February.....	190	694	449	665	245	--	1,987	1,165	1,422	1,665	6,226
March.....	190	690	436	665	239	--	1,987	1,165	1,422	1,665	6,198
April.....	190	663	428	685	217	--	1,968	1,185	1,442	1,685	6,143
May.....	190	699	444	690	231	--	1,943	1,190	1,447	1,690	6,154
June.....	190	665	445	695	220	--	1,922	1,195	1,452	1,695	6,121
July.....	190	675	425	705	218	--	1,934	1,205	1,462	1,705	6,071
August.....	190	695	431	735	225	--	1,941	1,235	1,492	1,735	6,145
September....	190	710	460	750	236	--	1,923	1,250	1,507	1,750	6,234
October.....	190	725	413	740	230	--	1,919	1,240	1,497	1,740	6,183
November.....	190	725	420	740	245	--	1,876	1,240	1,497	1,740	6,290
December.....	190	750	441	735	244	--	1,583	1,235	1,492	1,735	6,005
2000 Average.....	190	699	438	706	232	--	1,911	1,206	1,463	1,706	6,168
2001 January.....	190	680	452	725	246	--	1,381	1,253	1,507	1,753	5,856
February.....	190	749	428	700	247	--	1,728	1,228	1,482	1,728	6,182
March.....	190	740	431	700	244	--	1,830	1,228	1,482	1,718	6,312
April.....	190	713	438	675	233	--	1,836	1,214	1,466	1,704	6,208
May.....	190	674	418	675	230	--	1,921	1,214	1,466	1,704	6,254
June.....	190	697	441	680	226	--	1,910	1,219	1,471	1,709	6,282
July.....	190	657	440	695	230	--	1,892	1,236	R1,491	1,726	R6,240
August.....	190	700	444	695	233	--	RE1,946	1,236	R1,491	1,726	6,269
September....	190	720	439	660	201	--	E1,908	1,201	1,456	1,691	6,183
2001 Average.....	190	703	437	690	232	--	E1,817	1,226	1,479	1,718	6,198

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia. Excludes fuel ethanol blended into finished motor gasoline.

^{2/} See Appendix A for countries in this group.

^{3/} OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in these groups.

-- = Not applicable. R=Revised data. E=Estimated.

Notes: *Monthly data are often preliminary and also may not average to the annual totals due to rounding. See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.4 World Oil Supply, 1990-Present
 (Thousand Barrels per Day)

	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1990 Average.....	9,677	16,249	17,232	24,536	66,743
1991 Average.....	9,883	15,704	16,747	24,625	66,617
1992 Average.....	9,768	17,010	17,871	25,818	66,941
1993 Average.....	9,602	17,792	18,505	26,610	67,335
1994 Average.....	9,413	18,072	18,745	27,031	68,246
1995 Average.....	9,400	18,351	19,069	27,566	69,868
1996 Average.....	9,445	18,486	19,237	28,018	71,397
1997 Average.....	9,461	19,284	20,067	29,355	73,658
1998 Average.....	9,278	20,599	21,282	30,492	75,124
1999 Average.....	8,993	19,856	20,542	29,283	74,184
2000 January.....	9,030	19,678	20,330	28,941	74,875
February.....	9,129	20,193	20,830	29,586	75,464
March.....	9,238	20,098	20,530	29,521	75,511
April.....	9,154	20,883	21,413	30,496	76,106
May.....	9,140	21,418	21,942	31,071	76,619
June.....	9,078	20,953	21,482	30,686	76,367
July.....	8,978	21,188	21,653	30,986	76,918
August.....	9,017	22,183	22,635	31,976	77,761
September.....	9,054	22,243	22,685	31,986	77,960
October.....	9,077	22,333	22,760	32,246	78,322
November.....	9,086	22,253	22,675	32,201	79,005
December.....	8,721	20,763	21,121	30,771	77,362
2000 Average.....	9,058	21,183	21,672	30,874	76,858
2001 January.....	E8,508	21,110	21,431	31,144	77,384
February.....	E8,889	20,845	21,224	30,704	77,302
March.....	E8,990	21,545	21,858	31,339	78,009
April.....	E8,982	21,006	21,333	30,577	77,000
May.....	E9,130	20,871	21,235	30,347	76,447
June.....	E9,000	19,256	19,579	28,857	74,860
July.....	E9,040	20,573	R20,830	30,107	R76,808
August.....	RE9,009	21,025	R21,374	30,606	R76,980
September.....	PE9,016	20,206	20,627	29,710	76,744
2001 Average.....	PE8,952	20,720	21,059	30,380	76,839

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia. Beginning in 1993, includes fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants.

^{2/} See Appendix A for countries in this group.

^{3/} OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in these groups.

R=Revised data. E=Estimated. PE=Preliminary estimate. RE=Revised estimate.

Notes: •Oil Supply includes crude oil, natural gas plant liquids, other liquids, and refinery processing gain. See Explanatory Note 1 in Appendix B. •Monthly data are often preliminary and also may not average to the annual total due to rounding.

See Section 4 for historical series.

Sources: See end of Section 1.

Table 1.5 Oil Stocks in OECD Countries, End of Period
(Million Barrels)

		France	Germany	Italy	United Kingdom	OECD Europe ^{1/}	Canada	Japan	Korea, South	United States ^{2/}	Other ^{3/}	Total OECD ^{4/}
1997	December.....	164	298	147	105	1,306	115	685	88	1,560	122	3,876
1998	December.....	161	321	153	109	1,364	118	649	85	1,647	112	3,975
1999	December.....	163	287	148	105	1,294	109	629	84	1,493	106	3,715
2000	January.....	166	297	153	105	1,287	108	622	80	1,477	111	3,685
	February.....	167	288	149	106	1,281	108	613	79	1,466	114	3,662
	March.....	170	285	154	106	1,278	110	606	79	1,476	104	3,653
	April.....	171	281	152	104	1,259	112	618	79	1,505	111	3,685
	May.....	172	280	148	98	1,247	110	634	80	1,518	113	3,702
	June.....	174	278	152	99	1,263	112	632	87	1,526	109	3,729
	July.....	171	280	150	106	1,280	117	639	103	1,540	115	3,793
	August.....	171	274	153	102	1,272	117	639	87	1,532	107	3,754
	September....	173	274	156	99	1,283	117	627	92	1,527	123	3,768
	October.....	170	276	160	102	1,277	114	642	97	1,507	116	3,752
	November....	171	272	162	101	1,283	116	645	99	1,505	124	3,772
	December....	174	271	157	103	1,304	112	634	89	1,468	118	3,724
2001	January.....	168	273	163	100	1,291	113	628	80	1,477	116	3,705
	February....	172	275	159	101	1,292	111	620	86	1,471	119	3,698
	March.....	171	270	158	103	1,293	117	636	80	1,477	116	3,719
	April.....	171	271	159	102	R1,285	R116	646	86	1,517	108	R3,759
	May.....	171	270	156	102	R1,282	R120	647	80	1,553	109	R3,791
	June.....	171	263	149	105	R1,282	118	641	83	1,559	114	R3,797
	July.....	164	262	149	108	1,273	117	636	90	1,565	112	3,794

1/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

2/ U.S. geographic coverage is the 50 States and the District of Columbia.

3/ "Other" consists of Australia, Mexico, New Zealand, and the U.S. Territories.

4/ Total OECD includes OECD Europe, Canada, Japan, South Korea, United States, and Other.

R=Revised data.

Notes: •Oil Stocks - See Explanatory Note 2 in Appendix B. •See Table 4.5 for historical series.

Sources: See end of Section 1.

Table 1.6 Commercial and Government-Owned Oil Stocks in OECD Countries (End of June 2001)
(Million Barrels)

Country	Commercial	Government Owned	Total
Canada.....	118	0	118
Mexico.....	41	0	41
United States ^{1/}	1,016	543	1,559
United States Territories.....	19	0	19
Australia/New Zealand.....	54	NA	54
Japan.....	327	314	641
Korea, South.....	83	NA	83
Austria.....	21	0	21
Belgium/Luxembourg.....	30	0	30
Czech Republic.....	17	0	17
Denmark.....	21	0	21
Finland.....	25	0	25
France.....	171	0	171
Germany.....	208	55	263
Greece.....	27	NA	27
Hungary.....	21	0	21
Ireland.....	6	3	9
Italy.....	143	6	149
Netherlands.....	101	0	101
Norway.....	31	0	31
Poland.....	26	0	26
Portugal.....	27	0	27
Spain.....	117	0	117
Sweden.....	31	0	31
Switzerland.....	39	0	39
Turkey.....	52	0	52
United Kingdom.....	105	0	105
OECD Europe.....	1,218	64	1,282
Total OECD.....	2,876	921	3,797

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia.

NA=Not available.

Notes: •Sum of components may not equal total due to rounding. •Oil Stocks - See Explanatory Note 2 in Appendix B.

•OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

Sources: See end of Section 1.

Table 1.7 OECD Oil Demand, 1997-Present
 (Thousand Barrels per Day)

		France	Germany	Italy	United Kingdom	OECD Europe ^{1/}	Canada	Japan	Korea, South	United States ^{2/}	Other ^{3/}	Total OECD ^{4/}
1997	Average.....	1,957	2,915	1,908	1,805	15,009	1,923	5,728	2,260	18,620	3,084	46,626
1998	Average.....	2,030	2,921	1,945	1,789	15,335	1,947	5,528	1,930	18,917	3,228	46,885
1999	Average.....	2,027	2,836	1,841	1,739	15,169	2,029	5,587	2,075	19,519	3,313	47,692
2000	January.....	2,168	2,408	1,825	1,690	14,688	1,919	5,452	2,364	19,026	3,378	46,825
	February.....	2,144	2,722	1,986	1,780	15,633	2,175	6,394	2,401	19,635	3,318	49,555
	March.....	2,125	2,752	1,896	1,876	15,437	1,992	6,254	2,283	19,218	3,468	48,652
	April.....	1,950	2,658	1,775	1,631	14,475	1,885	5,233	2,138	18,816	3,213	45,760
	May.....	1,860	2,693	1,750	1,645	14,672	2,111	4,915	2,093	19,605	3,381	46,776
	June.....	1,969	2,717	1,909	1,677	14,984	2,077	4,930	2,001	20,054	3,308	47,353
	July.....	1,970	2,755	1,812	1,616	14,605	2,022	5,271	1,832	19,696	3,206	46,633
	August.....	1,980	3,073	1,815	1,747	15,581	2,111	5,526	2,034	20,496	3,456	49,204
	September...	1,807	2,995	1,928	1,778	15,400	2,140	5,476	2,037	19,899	3,263	48,214
	October....	2,257	2,767	1,859	1,773	15,537	2,127	5,047	1,978	19,798	3,303	47,790
	November....	2,041	2,857	1,885	1,813	15,488	2,199	5,616	2,272	19,328	3,351	48,253
	December....	1,976	2,841	1,977	1,626	15,207	2,129	6,246	2,336	20,814	3,324	50,057
	Average....	2,021	2,770	1,867	1,721	15,140	2,073	5,528	2,146	19,701	3,331	47,920
2001	January....	2,176	2,679	1,836	1,715	15,211	2,065	6,076	2,441	19,900	3,291	48,984
	February....	2,110	2,625	1,929	1,710	15,210	2,095	6,409	2,297	19,597	3,366	48,973
	March....	2,019	2,777	1,815	1,810	15,162	1,948	5,889	2,251	19,892	3,450	48,591
	April....	2,021	2,710	1,723	1,719	R14,665	1,861	5,137	1,994	19,591	3,219	R46,467
	May.....	1,905	2,726	1,814	1,681	R14,826	R1,982	4,930	1,990	19,491	3,388	R46,606
	June.....	1,974	2,859	1,785	1,681	R14,852	R2,010	4,867	2,046	19,608	3,303	R46,686
	July.....	2,057	2,985	1,925	1,664	15,239	1,962	5,147	1,825	19,884	3,261	47,319

^{1/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Poland, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{2/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{3/} "Other" consists of Australia, Mexico, New Zealand, and the U.S. Territories.

^{4/} Total OECD includes OECD Europe, Canada, Japan, South Korea, United States, and Other.

R=Revised data.

Notes: •The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition. •See Table 4.6 for historical series. See Appendix B Note 3 for change in demand calculation methodology.

Sources: See end of Section 1.

Sources for Section 1 (Annual and Monthly Oil Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 2000 and Petroleum Supply Monthly, October 2001.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Energy Intelligence Group, Inc., Petroleum Intelligence Weekly, various issues. All Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, December 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, October 2001.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Monthly Oil Statistics data base, 1997-2001.

Oil Demand

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, October 2001.

Other OECD Countries: • OECD, Monthly Oil Statistics data base, 1997-2001.

2. International Oil Balance Data

Table 2.1 World Oil Balance, 1997-2001
(Million Barrels Per Day)

	1997	1998	1999	2000				2001						
	Annual		Quarter		Annual		Quarter		Annual					
	Average		First	Second	Third	Fourth	Average	First	Second	Third	Fourth	Average		
Supply¹/														
OECD														
United States ² /.....	9.46	9.28	8.99	9.13	9.12	9.02	8.96	9.06	8.79	9.04	9.02	NA	NA	
Other OECD.....	13.97	14.04	13.88	14.61	14.16	14.21	14.39	14.34	14.46	13.99	14.21	NA	NA	
Total OECD.....	23.44	23.32	22.87	23.74	23.28	23.23	23.35	23.40	23.25	23.03	23.23	NA	NA	
Non-OECD														
OPEC.....	29.35	30.49	29.28	29.34	30.75	31.65	31.73	30.87	31.07	29.93	30.15	NA	NA	
Former USSR.....	7.22	7.26	7.65	7.89	7.97	8.19	8.46	8.13	8.64	8.68	8.90	NA	NA	
Other Non-OECD.....	13.65	14.06	14.38	14.31	14.36	14.48	14.68	14.46	14.61	14.46	14.57	NA	NA	
Total Non-OECD.....	50.22	51.80	51.31	51.54	53.08	54.32	54.87	53.46	54.33	53.08	53.61	NA	NA	
Total World Supply.....	73.66	75.12	74.18	75.28	76.37	77.54	78.22	76.86	77.57	76.11	76.85	NA	NA	
Demand³/														
OECD														
United States ² /.....	18.62	18.92	19.52	19.29	19.49	20.03	19.99	19.70	19.80	19.56	NA	NA	NA	
Other OECD.....	28.01	27.97	28.17	29.03	27.14	27.98	28.72	28.22	29.04	27.02	NA	NA	NA	
Total OECD.....	46.63	46.88	47.69	48.32	46.63	48.01	48.70	47.92	48.85	46.59	NA	NA	NA	
Non-OECD														
China.....	3.92	4.11	4.32	4.64	4.60	4.55	4.60	4.60	4.82	4.78	NA	NA	NA	
Former USSR.....	3.87	3.78	3.73	3.70	3.55	3.55	3.55	3.59	3.67	3.52	NA	NA	NA	
Other Non-OECD.....	18.44	18.83	19.24	19.16	19.48	19.39	19.63	19.42	19.47	19.80	NA	NA	NA	
Total Non-OECD.....	26.23	26.72	27.29	27.50	27.63	27.49	27.79	27.60	27.96	28.10	NA	NA	NA	
Total World Demand.....	72.85	73.60	74.98	75.82	74.27	75.51	76.49	75.52	76.81	74.69	NA	NA	NA	
Stock Draws / Discrepancy														
Net Reported Stock Draws ⁴ /														
U. S. Commercial.....	-.15	-.22	.41	.20	-.55	.00	.33	.00	-.10	-.88	NA	NA	NA	
U. S. Strategic.....	.01	-.02	.01	-.02	.00	-.01	.32	.07	-.01	-.01	NA	NA	NA	
Other OECD.....	-.16	-.03	.29	.50	-.29	-.41	-.17	-.09	.18	.02	NA	NA	NA	
For Export & Afloat.....	-.12	-.01	.15	-.38	-.49	-.49	.27	-.23	-.28	.66	NA	NA	NA	
Commr. Floating Storage...	.00	-.08	-.07	.03	.20	.09	.04	.09	.00	.01	NA	NA	NA	
Total Reported Draws.....	-.42	-.37	.79	.33	-1.13	-.82	.79	-.17	-.21	-.20	NA	NA	NA	
Other Stock Draws and Statistical Discrepancy ⁵ /	-.38	-1.15	.01	.21	-.97	-1.21	-2.52	-1.17	-.55	-1.22	NA	NA	NA	

¹/ Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery processing gain, alcohol, and liquids produced from coal and other sources. See Explanatory Note 1 in Appendix B.

²/ U.S. geographical coverage is the 50 States and the District of Columbia.

³/ The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix C for definition. See Appendix B Note 3 for change in demand calculation methodology.

⁴/ Stock draws are positive numbers, stock additions are negative numbers.

⁵/ This is computed as Total Demand minus the sum of Total Supply and Total Reported Stock Draw.

NA=Not available. Note: Sum of components may not equal total due to rounding.

•OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

Sources: See end of Section 2.

Table 2.2 World Oil Supply, 1997-2001
(Million Barrels Per Day)

	1997	1998	1999	2000					2001					
	Annual		Quarter				Annual		Quarter		Annual			
	Average		First	Second	Third	Fourth	Average		First	Second	Third	Fourth	Average	
OECD														
United States ^{1/} ...	9.46	9.28	8.99	9.13	9.12	9.02	8.96	9.06	8.79	9.04	9.02	NA	NA	
Canada.....	2.62	2.69	2.62	2.71	2.71	2.74	2.80	2.74	2.84	2.77	2.73	NA	NA	
Mexico.....	3.44	3.52	3.37	3.45	3.51	3.54	3.41	3.48	3.59	3.52	3.65	NA	NA	
North Sea ^{2/}	6.20	6.18	6.32	6.66	6.18	6.18	6.45	6.37	6.35	6.06	6.20	NA	NA	
Other OECD.....	1.71	1.65	1.57	1.78	1.76	1.75	1.74	1.76	1.68	1.63	1.64	NA	NA	
Total OECD.....	23.44	23.32	22.87	23.74	23.28	23.23	23.35	23.40	23.25	23.03	23.23	NA	NA	
Non-OECD														
OPEC														
Crude														
Algeria.....	1.28	1.25	1.20	1.19	1.24	1.25	1.27	1.24	1.26	1.25	1.27	NA	NA	
Indonesia.....	1.52	1.52	1.47	1.44	1.48	1.49	1.46	1.47	1.42	1.37	1.36	NA	NA	
Iran.....	3.66	3.63	3.56	3.58	3.69	3.75	3.86	3.72	3.85	3.75	3.77	NA	NA	
Iraq.....	1.15	2.15	2.51	2.34	2.76	2.80	2.39	2.57	2.26	2.32	2.56	NA	NA	
Kuwait.....	2.01	2.09	1.90	2.01	2.12	2.17	2.21	2.13	2.14	2.01	2.01	NA	NA	
Libya.....	1.45	1.39	1.32	1.37	1.41	1.42	1.44	1.41	1.41	1.37	1.37	NA	NA	
Nigeria.....	2.13	2.15	2.13	2.05	2.13	2.15	2.24	2.14	2.28	2.18	2.23	NA	NA	
Qatar.....	.55	.70	.66	.70	.73	.75	.76	.74	.75	.72	.72	NA	NA	
Saudi Arabia..	8.36	8.39	7.83	7.86	8.18	8.73	8.83	8.40	8.44	8.00	8.04	NA	NA	
United Arab Emirates...														
Venezuela.....	3.28	3.17	2.83	2.83	2.93	2.98	3.06	2.95	3.04	2.90	2.83	NA	NA	
Natural Gas														
Plant Liquids	1.59	1.66	1.65	1.66	1.69	1.73	1.74	1.71	1.73	1.71	1.71	NA	NA	
Processing Gain.	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	.06	NA	NA	
Total OPEC.....	29.35	30.49	29.28	29.34	30.75	31.65	31.73	30.87	31.07	29.93	30.15	NA	NA	
Former USSR.....	7.22	7.26	7.65	7.89	7.97	8.19	8.46	8.13	8.64	8.68	8.90	NA	NA	
China.....	3.20	3.20	3.19	3.27	3.28	3.24	3.21	3.25	3.31	3.31	3.28	NA	NA	
Other Non-OECD....	10.45	10.86	11.18	11.04	11.08	11.25	11.47	11.21	11.30	11.16	11.28	NA	NA	
Total Non-OECD....	50.22	51.80	51.31	51.54	53.08	54.32	54.87	53.46	54.33	53.08	53.61	NA	NA	
Total Supply.....	73.66	75.12	74.18	75.28	76.37	77.54	78.22	76.86	77.57	76.11	76.85	NA	NA	

1/ U.S. geographic coverage is the 50 States and the District of Columbia.

2/ North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.

NA=Not available.

Notes: •Supply includes crude oil (including lease condensate), natural gas plant liquids (except for individual OPEC countries), other hydrocarbons and hydrocarbons for refinery feedstocks, alcohol, liquids produced from coal and other sources, and refinery processing gain (except for individual OPEC countries). For OPEC, natural gas plant liquids production and refinery processing gain are shown as separate lines. •Sum of components may not equal total due to rounding.

•OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group.

Sources: See end of Section 2.

Table 2.3 Oil Stocks, End of Period
(Million Barrels)

	1997	1998	1999	2000				2001			
	Year End		Quarter				Quarter				
			First	Second	Third	Fourth	First	Second	Third	Fourth	
OECD											
United States ^{1/}											
Commercial.....	997	1,076	926	907	957	957	927	935	1,016	NA	
Strategic.....	563	571	567	569	569	570	541	542	543	NA	
U. S. Territories.....	23	22	20	19	20	20	19	18	19	NA	
Canada.....	115	118	109	110	112	117	112	117	118	NA	
Mexico.....	48	46	37	37	38	47	48	46	41	NA	
Australia & New Zealand	51	44	48	47	51	56	51	52	54	NA	
Japan.....	685	649	629	606	632	627	634	636	641	NA	
Korea, South.....	88	85	84	79	87	92	89	80	83	NA	
OECD Europe											
France.....	164	161	163	170	174	173	174	171	171	NA	
Germany.....	298	321	287	285	278	274	271	270	263	NA	
Italy.....	147	153	148	154	152	156	157	158	149	NA	
United Kingdom.....	105	109	105	106	99	99	103	103	105	NA	
Other OECD Europe....	593	620	591	562	560	581	598	591	594	NA	
Total.....	1,306	1,364	1,294	1,278	1,263	1,283	1,304	1,293	1,282	NA	
Total OECD.....	3,876	3,975	3,715	3,653	3,729	3,768	3,724	3,719	3,797	NA	
Stocks for Export											
and Afloat ^{2/}	1,030	1,035	980	1,015	1,060	1,105	1,080	1,090	1,030	NA	
Commercial Floating ^{3/}	70	100	126	123	105	97	93	93	92	NA	

^{1/} U.S. stock data include Alaskan crude oil in transit by water. These data were previously reported in stocks for export and afloat. U.S. geographic coverage is the 50 States and the District of Columbia.

^{2/} Stocks held at export terminals of major crude oil producing countries and commercial oil afloat based on quarterly analysis of world seaborne movements.

^{3/} Stocks stored by industry in tankers moored offshore. Excludes strategic storage.

Notes: •Oil Stocks - See Note 2 in Appendix B. •Sum of components may not equal total due to rounding.

•"OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

Sources: See end of Section 2.

Table 2.4 World Oil Demand, 1997-2001
(Million Barrels Per Day)

	1997	1998	1999	2000				2001						
	Annual		Quarter				Annual		Quarter		Annual			
	Average		First	Second	Third	Fourth	Average		First	Second	Third	Fourth	Average	
OECD														
United States ¹ /.....	18.62	18.92	19.52	19.29	19.49	20.03	19.99	19.70	19.80	19.56	NA	NA	NA	
U. S. Territories.....	.27	.31	.32	.37	.28	.32	.37	.34	.38	.37	NA	NA	NA	
Canada.....	1.92	1.95	2.03	2.03	2.03	2.09	2.15	2.07	2.03	1.95	NA	NA	NA	
Mexico.....	1.85	1.95	2.00	2.01	2.00	2.00	1.95	1.99	1.97	1.90	NA	NA	NA	
Australia & New Zealand	.96	.97	.99	1.01	1.02	.98	1.00	1.00	1.02	1.03	NA	NA	NA	
Japan.....	5.73	5.53	5.59	6.03	5.02	5.42	5.64	5.53	6.11	4.98	NA	NA	NA	
Korea, South.....	2.26	1.93	2.07	2.35	2.08	1.97	2.19	2.15	2.33	2.01	NA	NA	NA	
OECD Europe ² /														
France.....	1.96	2.03	2.03	2.15	1.93	1.92	2.09	2.02	2.10	1.97	NA	NA	NA	
Germany ³ /.....	2.91	2.92	2.84	2.63	2.69	2.94	2.82	2.77	2.70	2.76	NA	NA	NA	
Italy.....	1.91	1.95	1.84	1.90	1.81	1.85	1.91	1.87	1.86	1.77	NA	NA	NA	
United Kingdom.....	1.80	1.79	1.74	1.78	1.65	1.71	1.74	1.72	1.75	1.69	NA	NA	NA	
Other OECD Europe....	6.42	6.65	6.72	6.79	6.63	6.77	6.85	6.76	6.79	6.58	NA	NA	NA	
Total OECD Europe....	15.01	15.34	15.17	15.24	14.71	15.19	15.41	15.14	15.19	14.78	NA	NA	NA	
Total OECD.....	46.63	46.88	47.69	48.32	46.63	48.01	48.70	47.92	48.85	46.59	NA	NA	NA	
Non-OECD														
Former USSR.....	3.87	3.78	3.73	3.70	3.55	3.55	3.55	3.59	3.67	3.52	NA	NA	NA	
Non-OECD Europe.....	.75	.72	.72	.73	.73	.73	.73	.73	.75	.74	NA	NA	NA	
China.....	3.92	4.11	4.32	4.64	4.60	4.55	4.60	4.60	4.82	4.78	NA	NA	NA	
Other Asia.....	6.63	6.74	6.93	6.85	6.91	6.73	7.01	6.87	6.96	6.96	NA	NA	NA	
Other Non-OECD.....	11.07	11.38	11.60	11.57	11.85	11.93	11.90	11.81	11.77	12.10	NA	NA	NA	
Total Non-OECD.....	26.23	26.72	27.29	27.50	27.63	27.49	27.79	27.60	27.96	28.10	NA	NA	NA	
Total World Demand.....	72.85	73.60	74.98	75.82	74.27	75.51	76.49	75.52	76.81	74.69	NA	NA	NA	

¹/ U.S. geographic coverage is the 50 States and the District of Columbia.

²/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

³/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Oil demand includes bunkers and refinery fuel. The term Demand is used interchangeably with the terms Consumption and Petroleum Products Supplied. See Appendix B Note 3 for change in demand calculation methodology. •Sum of components may not equal total due to rounding.

Sources: See end of Section 2.

Sources for Section 2 (International Oil Balance Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: Energy Information Administration (EIA), Petroleum Supply Annual 2000 and Petroleum Supply Monthly, October 2001.

Other Countries: Annual data -- EIA, International Energy Annual, various issues. Monthly data -- Denmark, Mexico, Netherlands, Norway, Germany, and all OPEC countries -- Energy Intelligence Group, Inc., Petroleum Intelligence Weekly, various issues. Other Countries -- PennWell Publishing Company, Oil and Gas Journal, various issues. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, December 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, October 2001.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Monthly Oil Statistics data base, 1996-2001. Stocks for Export and Afloat and Commercial Floating Stocks -- Petroleum Economics Limited, Oil Industry Developments, various issues.

Oil Demand

United States: EIA, Petroleum Supply Annual 2000 and Petroleum Supply Monthly, October 2001.

Other OECD Countries: • OECD, Monthly Oil Statistics data base, 1997-2001.

OPEC Countries: EIA, International Energy Annual, various issues and Short-Term Energy Outlook, various issues.

Other countries: EIA, International Energy Annual, various issues and Short-Term Energy Outlook, various issues.

3. International Oil Imports

Table 3.1 Average Net Oil Imports into OECD Countries, (2000 Average)
(Million Barrels per Day)

	OECD Europe							OECD Outside Europe				
	Total		France	Germany ^{1/}	Italy	United Kingdom	Other Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}
	Total											
Total Net Imports..	23.651	7.813	1.868	2.561	1.744	-1.068	2.709	-0.839	5.486	2.224	10.419	-1.454
Imports from OPEC ^{5/}	18.704	5.936	.883	.595	1.288	.161	3.009	.310	4.438	2.224	5.182	.613
Imports from Persian Gulf ^{6/}												
Total.....	12.240	3.240	.601	.129	.578	.086	1.845	.108	4.124	2.053	2.483	.231
Bahrain.....	.029	.002	.000	-	.000	.001	.001	.000	.011	.016	-.001	.002
Iran.....	1.539	.791	.102	.018	.208	.000	.464	.000	.498	.247	.000	.002
Iraq.....	1.575	.744	.148	.004	.168	-	.424	.047	.072	.049	.620	.043
Kuwait.....	1.326	.259	.029	.013	.031	.016	.170	.000	.536	.260	.272	.000
U.A.E.....	1.836	.028	.007	.000	.000	.015	.005	.000	1.305	.442	.012	.048
Qatar.....	.609	.003	.002	-	-	-	.001	-	.444	.150	.009	.004
Saudi Arabia.....	5.324	1.413	.314	.093	.171	.054	.781	.061	1.258	.890	1.571	.132
Imports from OPEC-Africa												
Total.....	3.871	2.506	.277	.431	.697	.052	1.049	.099	.017	.034	1.121	.094
Algeria.....	1.147	.817	.123	.147	.129	.019	.400	.068	.002	.006	.225	.028
Libya.....	1.210	1.210	.060	.244	.546	.033	.328	-	-	.000	.000	.000
Nigeria.....	1.514	.479	.094	.040	.023	.001	.322	.030	.015	.028	.896	.065
Imports from OPEC-South America												
Total.....	2.068	.190	.004	.035	.011	.024	.115	.104	.012	.000	1.530	.233
Venezuela.....	2.068	.190	.004	.035	.011	.024	.115	.104	.012	.000	1.530	.233
Imports from OPEC-Far East												
Total.....	.554	.003	.001	.000	.001	-	.001	-	.294	.152	.047	.058
Indonesia.....	.554	.003	.001	.000	.001	-	.001	-	.294	.152	.047	.058

1/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "Other Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, Greece, Hungary, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and Turkey.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "Other" consists of Australia, Mexico, New Zealand, and U. S. Territories.

5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.2 Net Oil Imports into OECD Countries, (2nd Quarter 2001)
(Million Barrels per Day)

	OECD Europe							OECD Outside Europe				
	Total		France	Germany ^{1/}	Italy	United Kingdom	Other Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}
	Total											
Total Net Imports..	23.816	7.653	1.806	2.532	1.543	-0.807	2.580	-0.860	5.032	2.073	10.999	-1.080
Imports from OPEC ^{5/}	18.228	5.175	.754	.503	1.062	.181	2.675	.368	4.062	2.189	5.799	.636
Imports from Persian Gulf ^{6/}												
Total.....	11.776	2.701	.470	.088	.439	.129	1.575	.130	3.790	1.971	2.919	.264
Bahrain.....	.038	.015	.000	-	.000	.004	.010	.000	.013	.008	-.001	.003
Iran.....	1.489	.689	.063	.006	.196	.000	.424	.000	.538	.262	.000	
Iraq.....	1.554	.521	.100	.000	.062	-	.359	.073	.000	.023	.860	.078
Kuwait.....	1.165	.161	.029	.005	.010	.019	.097	.000	.500	.246	.249	.009
U.A.E.....	1.742	.080	.027	.000	.000	.053	.000	.000	1.123	.446	.052	.040
Qatar.....	.634	.000	.000	-	-	-	.000	-	.428	.163	.024	.018
Saudi Arabia.....	5.154	1.236	.251	.077	.171	.053	.684	.057	1.189	.822	1.735	.116
Imports from OPEC-Africa												
Total.....	3.767	2.289	.282	.382	.610	.034	.981	.102	.003	.040	1.269	.064
Algeria.....	1.087	.648	.115	.099	.099	.018	.316	.087	.003	.012	.324	.013
Libya.....	1.225	1.225	.076	.217	.504	.016	.412	-	-	.000	.000	
Nigeria.....	1.455	.416	.090	.066	.007	.000	.253	.014	.000	.029	.945	.051
Imports from OPEC-South America												
Total.....	2.114	.192	.001	.033	.012	.022	.125	.136	.020	.000	1.547	.218
Venezuela.....	2.114	.192	.001	.033	.012	.022	.125	.136	.020	.000	1.547	.218
Imports from OPEC-Far East												
Total.....	.610	.006	.001	.000	.000	-	.005	-	.261	.185	.064	.093
Indonesia.....	.610	.006	.001	.000	.000	-	.005	-	.261	.185	.064	.093

1/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "Other Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, Greece, Hungary, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and Turkey.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "Other" consists of Australia, Mexico, New Zealand, and U. S. Territories.

5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

NA=Not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.3 Net Oil Imports into OECD Countries, (1st Quarter 2001)
(Million Barrels per Day)

	OECD Europe							OECD Outside Europe				
	Total		France	Germany ^{1/}	Italy	United Kingdom	Other Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}
	Total											
Total Net Imports..	24.970	7.681	1.842	2.537	1.707	-0.795	2.390	-0.836	6.094	2.256	10.880	-1.103
Imports from OPEC ^{5/}	19.279	5.609	.728	.474	1.248	.160	2.998	.281	4.970	2.371	5.387	.662
Imports from Persian Gulf ^{6/}												
Total.....	12.661	2.920	.455	.069	.543	.098	1.755	.153	4.723	2.160	2.486	.218
Bahrain.....	.037	.018	.012	-	.000	.004	.002	.000	.015	.004	.000	.000
Iran.....	1.719	.874	.052	.003	.234	.000	.584	.000	.600	.246	.000	.000
Iraq.....	.799	.262	.068	.000	.078	-	.116	.104	.000	.012	.370	.050
Kuwait.....	1.497	.282	.015	.002	.042	.015	.208	.000	.646	.290	.274	.005
U.A.E.....	2.178	.050	.013	.000	.000	.033	.004	.002	1.488	.539	.060	.040
Qatar.....	.745	.002	.002	-	-	-	.000	-	.530	.192	.009	.012
Saudi Arabia.....	5.686	1.433	.293	.064	.189	.046	.841	.047	1.445	.877	1.773	.111
Imports from OPEC-Africa												
Total.....	3.871	2.517	.272	.381	.697	.050	1.117	.085	.000	.015	1.180	.074
Algeria.....	1.054	.713	.123	.088	.115	.011	.376	.045	.000	.000	.264	.032
Libya.....	1.227	1.227	.054	.259	.522	.039	.352	-	-	.000	.000	.000
Nigeria.....	1.591	.577	.095	.034	.060	.000	.389	.040	.000	.015	.916	.042
Imports from OPEC-South America												
Total.....	2.177	.181	.011	.025	.008	.016	.122	.042	.013	.000	1.657	.284
Venezuela.....	2.177	.181	.011	.025	.008	.016	.122	.042	.013	.000	1.657	.284
Imports from OPEC-Far East												
Total.....	.607	.008	.001	.000	.000	-	.007	-	.248	.201	.064	.086
Indonesia.....	.607	.008	.001	.000	.000	-	.007	-	.248	.201	.064	.086

1/ The data for Germany are for unified Germany, i.e., the former East Germany and West Germany.

2/ "Other Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, Greece, Hungary, Iceland, Ireland, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, and Turkey.

3/ U.S. geographic coverage is the 50 States and District of Columbia.

4/ "Other" consists of Australia, Mexico, New Zealand, and U. S. Territories.

5/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

6/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.4 OECD Total Net Imports (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total.....	24.549	23.994	23.554	24.244	24.612	24.508	24.982	25.421	23.843	24.007	23.592	23.053
United States ^{1/}	11.099	10.841	9.998	10.201	10.958	11.154	10.447	10.996	11.361	11.130	10.501	10.690
Canada.....	-.741	-.800	-.887	-.740	-.963	-.816	-.969	-.737	-.966	-.752	-.866	-.683
Mexico.....	-1.431	-1.438	-1.154	-1.441	-1.516	-1.427	-1.514	-1.548	-1.413	-1.549	-1.519	-1.510
OECD Europe ^{2/}	8.227	8.552	7.871	8.284	8.499	7.106	8.089	7.888	6.865	7.700	8.392	7.543
Main European Importers												
France.....	1.777	1.685	1.858	1.922	1.900	1.799	1.953	1.786	1.685	1.771	1.962	1.725
Germany ^{3/}	2.679	2.837	2.631	2.625	2.631	2.640	2.627	2.351	2.589	2.553	2.453	2.822
Italy.....	1.766	1.875	1.693	1.775	1.792	1.869	1.599	1.640	1.657	1.556	1.414	1.715
Spain.....	1.390	1.438	1.435	1.339	1.496	1.458	1.414	1.447	1.361	1.391	1.390	1.471
Netherlands.....	1.014	.776	.717	.956	1.064	.960	.784	1.021	.648	.812	.916	.971
European Net Exporters												
Norway.....	-3.279	-2.775	-3.308	-3.293	-3.198	-3.909	-3.133	-3.422	-3.519	-3.115	-2.739	-3.843
United Kingdom....	-1.056	-.919	-.862	-.857	-1.114	-.930	-.702	-.745	-.973	-.850	-.598	-.774
Smaller European Importers												
Austria.....	.229	.280	.252	.194	.196	.187	.219	.210	.223	.243	.234	.211
Belgium.....	.582	.463	.576	.633	.690	.722	.605	.600	.583	.644	.476	.460
Czech Republic....	.157	.150	.157	.157	.176	.155	.141	.178	.182	.136	.198	.174
Denmark.....	-.122	-.193	-.141	-.173	-.207	-.172	-.172	-.136	-.147	-.127	-.022	-.048
Ireland.....	.117	.151	.165	.121	.132	.141	.132	.192	.118	.146	.118	.113
Finland.....	.238	.087	.280	.287	.259	.091	.183	.297	.143	.221	.208	.239
Greece.....	.401	.433	.407	.397	.371	.382	.430	.428	.315	.329	.388	.288
Hungary.....	.121	.115	.090	.102	.116	.084	.087	.072	.076	.097	.084	.071
Iceland.....	.022	.023	.019	.018	.015	.010	.011	.028	.012	.015	.019	.027
Luxembourg.....	.047	.048	.053	.055	.052	.047	.051	.052	.052	.051	.049	.053
Poland.....	.399	.418	.362	.396	.467	.341	.303	.328	.318	.322	.410	.371
Portugal.....	.399	.330	.270	.349	.349	.230	.316	.284	.331	.367	.360	.325
Sweden.....	.361	.429	.234	.378	.320	.271	.288	.469	.437	.314	.310	.290
Switzerland.....	.270	.289	.259	.266	.257	.291	.298	.243	.288	.284	.235	.287
Turkey.....	.716	.611	.722	.637	.736	.437	.653	.562	.485	.537	.525	.597
Japan.....	5.733	4.674	5.448	5.690	5.618	5.957	6.081	6.242	5.458	5.180	4.451	4.808
Korea, South.....	1.563	2.332	2.165	2.391	2.101	2.197	2.498	2.095	2.215	1.811	2.202	2.046
Other OECD.....	.099	-.167	.113	-.142	-.084	.337	.351	.486	.323	.487	.431	.159

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.5 OECD Imports from OPEC (Most Recent 12 Months)
(Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total.....	19.545	18.966	19.610	19.700	19.617	19.227	18.900	19.673	18.755	18.432	17.490	17.342
United States ^{1/}	5.880	5.450	5.295	5.212	5.546	5.385	4.975	5.760	5.964	5.938	5.491	5.452
Canada.....	.331	.247	.288	.301	.336	.309	.230	.298	.361	.430	.311	.346
Mexico.....	.104	.093	.058	.073	.095	.095	.041	.044	.065	.009	.080	.027
OECD Europe ^{2/}	6.108	6.463	6.401	6.280	6.328	5.663	5.448	5.698	5.110	5.309	5.100	5.033
Main European Importers												
France.....	.812	.828	1.012	.850	1.013	.665	.836	.693	.621	.780	.860	.708
Germany ^{3/}.....	.674	.685	.640	.632	.555	.529	.520	.378	.542	.487	.480	.501
Italy.....	1.288	1.417	1.253	1.423	1.398	1.303	1.160	1.272	1.143	1.102	.938	1.135
Spain.....	.789	.808	.991	.869	.896	.929	.663	.870	.626	.693	.743	.692
Netherlands.....	.644	.960	.742	.771	.739	.725	.694	.880	.716	.566	.622	.589
European Net Exporters												
Norway.....	.000	.000	.000	.000	.000	.000	.000	.004	.000	.000	.000	.000
United Kingdom....	.169	.164	.144	.189	.133	.143	.150	.187	.170	.152	.222	.177
Smaller European Importers												
Austria.....	.110	.099	.085	.103	.113	.088	.067	.095	.066	.122	.103	.090
Belgium.....	.271	.380	.359	.270	.350	.295	.249	.248	.204	.257	.159	.171
Czech Republic....	.011	.002	.017	.001	.004	.014	.003	.015	.014	.020	.018	.006
Denmark.....	.067	.020	.040	.025	.026	.031	.026	.024	.025	.036	.034	.049
Finland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.012	.000	.000
Greece.....	.244	.382	.295	.340	.273	.333	.293	.306	.268	.324	.309	.262
Hungary.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Poland.....	.016	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Portugal.....	.300	.159	.189	.200	.177	.105	.156	.121	.197	.141	.125	.167
Sweden.....	.179	.039	.041	.142	.097	.081	.089	.143	.083	.134	.162	.027
Switzerland.....	.098	.103	.096	.086	.113	.111	.116	.112	.099	.102	.068	.090
Turkey.....	.437	.418	.495	.378	.444	.313	.426	.351	.336	.380	.258	.368
Japan.....	4.752	3.862	4.600	4.686	4.642	4.876	5.019	5.019	4.415	4.096	3.673	3.954
Korea, South.....	1.821	2.371	2.305	2.556	2.114	2.291	2.620	2.227	2.279	2.026	2.266	1.970
Other OECD.....	.550	.480	.664	.591	.555	.608	.567	.627	.561	.623	.569	.561

^{1/} U.S. geographic coverage is the 50 States and District of Columbia.

^{2/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{3/} The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

NA=Not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development; OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.6 OECD Imports from Persian Gulf (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total.....	12.885	12.669	12.856	13.199	12.571	12.579	12.373	13.002	12.197	11.894	11.231	10.886
United States ^{1/}	2.822	2.821	2.505	2.469	2.774	2.436	2.334	2.674	2.861	3.073	2.818	2.716
Canada.....	.153	.087	.085	.181	.066	.193	.077	.183	.167	.130	.094	.157
Mexico.....	.031	.022	.017	.017	.013	.022	.024	.014	.033	.009	.044	.003
OECD Europe ^{2/}	3.451	3.763	3.496	3.428	3.320	2.983	2.643	3.107	2.724	2.781	2.595	2.422
Main European Importers												
France.....	.567	.612	.665	.589	.692	.344	.541	.488	.401	.531	.477	.394
Germany ^{3/}.....	.176	.164	.152	.126	.106	.101	.059	.046	.076	.110	.078	.136
Italy.....	.568	.719	.636	.627	.580	.593	.395	.626	.488	.424	.405	.469
Spain.....	.374	.335	.382	.350	.265	.340	.190	.345	.264	.290	.236	.237
Netherlands.....	.486	.786	.529	.623	.462	.588	.445	.613	.558	.344	.437	.360
European Net Exporters												
United Kingdom....	.098	.068	.075	.105	.094	.099	.109	.089	.105	.114	.168	.112
Smaller European Importers												
Austria.....	.055	.038	.033	.042	.045	.017	.002	.020	.034	.040	.053	.030
Belgium.....	.241	.327	.321	.230	.344	.265	.223	.205	.183	.241	.106	.147
Czech Republic....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Denmark.....	.020	.000	.012	.006	.013	.013	.004	.000	.013	.011	.019	.018
Finland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.012	.009	.000
Greece.....	.231	.341	.285	.290	.240	.286	.279	.292	.219	.302	.267	.226
Hungary.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Poland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Portugal.....	.173	.087	.091	.078	.148	.040	.091	.031	.094	.052	.066	.061
Sweden.....	.131	.013	.000	.135	.067	.067	.074	.135	.069	.064	.134	.000
Switzerland.....	.009	.007	.012	.007	.000	.000	.010	.009	.015	.004	.005	.009
Turkey.....	.322	.266	.303	.220	.262	.231	.222	.207	.206	.240	.135	.223
Japan.....	4.447	3.520	4.337	4.404	4.252	4.674	4.712	4.783	4.191	3.789	3.391	3.601
Korea, South.....	1.699	2.207	2.161	2.383	1.950	2.091	2.410	2.002	2.054	1.836	2.029	1.820
Other OECD.....	.281	.249	.255	.317	.196	.180	.173	.238	.168	.276	.260	.167

^{1/} U.S. geographic coverage is the 50 States and District of Columbia.

^{2/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{3/} The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

NA=Not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.7 United States--Net Oil Imports (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total Net Imports..	11.099	10.841	9.998	10.201	10.958	11.154	10.447	10.996	11.361	11.130	10.501	10.690
Imports from OPEC ^{1/}	5.880	5.450	5.295	5.212	5.546	5.385	4.975	5.760	5.964	5.938	5.491	5.452
Imports from Persian Gulf ^{2/}												
Total.....	2.822	2.821	2.505	2.469	2.774	2.436	2.334	2.674	2.861	3.073	2.818	2.716
Bahrain.....	.000	-.001	.000	.000	-.003	.000	.000	.000	.000	-.003	.000	.000
Iran.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.765	.765	.653	.585	.528	.294	.236	.566	.862	.973	.740	.697
Kuwait.....	.405	.352	.337	.248	.344	.242	.280	.302	.242	.251	.255	.287
U.A.E.....	-.003	.028	.009	.006	.005	.135	.041	.001	.081	.052	.023	.010
Qatar.....	.006	.010	.007	.015	.003	.007	.000	.020	.019	.030	.023	.011
Saudi Arabia.....	1.649	1.667	1.499	1.615	1.897	1.758	1.777	1.785	1.657	1.770	1.777	1.711
Imports from OPEC-Africa												
Total.....	1.358	1.236	1.155	1.063	.925	1.159	1.115	1.260	1.448	1.326	1.030	1.037
Algeria.....	.236	.216	.210	.212	.240	.286	.223	.279	.326	.379	.265	.190
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	1.122	1.020	.945	.851	.685	.873	.892	.981	1.122	.947	.765	.847
Imports from OPEC-South America												
Total.....	1.639	1.365	1.598	1.624	1.752	1.742	1.453	1.755	1.597	1.458	1.588	1.671
Venezuela.....	1.639	1.365	1.598	1.624	1.752	1.742	1.453	1.755	1.597	1.458	1.588	1.671
Imports from OPEC-Far East												
Total.....	.061	.027	.037	.056	.092	.048	.073	.071	.058	.078	.055	.028
Indonesia.....	.061	.027	.037	.056	.092	.048	.073	.071	.058	.078	.055	.028

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.8 Japan--Net Oil Imports (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total Net Imports..	5.733	4.674	5.448	5.690	5.618	5.957	6.081	6.242	5.458	5.180	4.451	4.808
Imports from OPEC ^{1/}	4.752	3.862	4.600	4.686	4.642	4.876	5.019	5.019	4.415	4.096	3.673	3.954
Imports from Persian Gulf ^{2/}												
Total.....	4.447	3.520	4.337	4.404	4.252	4.674	4.712	4.783	4.191	3.789	3.391	3.601
Bahrain.....	.016	.007	.014	.008	.000	.021	.008	.015	.024	.008	.008	.014
Iran.....	.511	.472	.475	.660	.351	.652	.598	.549	.612	.555	.445	.505
Iraq.....	.108	.064	.191	.205	.110	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.576	.441	.633	.535	.655	.595	.709	.640	.466	.580	.450	.501
U.A.E.....	1.363	1.162	1.262	1.321	1.325	1.450	1.536	1.482	1.297	1.128	.945	1.039
Qatar.....	.405	.385	.505	.382	.447	.557	.537	.496	.554	.353	.379	.411
Saudi Arabia.....	1.470	.988	1.256	1.293	1.363	1.399	1.323	1.601	1.238	1.165	1.164	1.131
Imports from OPEC-Africa												
Total.....	.000	.000	.000	.063	.061	.000	.000	.000	.010	.000	.000	.024
Algeria.....	.000	.000	.000	.000	.000	.000	.000	.000	.010	.000	.000	.024
Nigeria.....	.000	.000	.000	.063	.061	.000	.000	.000	.000	.000	.000	.000
Imports from OPEC-South America												
Total.....	.000	.022	.020	.019	.000	.020	.021	.000	.022	.019	.020	.020
Venezuela.....	.000	.022	.020	.019	.000	.020	.021	.000	.022	.019	.020	.020
Imports from OPEC-Far East												
Total.....	.320	.326	.257	.207	.329	.203	.295	.251	.216	.295	.271	.323
Indonesia.....	.320	.326	.257	.207	.329	.203	.295	.251	.216	.295	.271	.323

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis.

•Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.9 OECD Europe--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total Net Imports..	8.227	8.552	7.871	8.284	8.499	7.106	8.089	7.888	6.865	7.700	8.392	7.543
Imports from OPEC ^{1/}	6.108	6.463	6.401	6.280	6.328	5.663	5.448	5.698	5.110	5.309	5.100	5.033
Imports from Persian Gulf ^{2/}												
Total.....	3.451	3.763	3.496	3.428	3.320	2.983	2.643	3.107	2.724	2.781	2.595	2.422
Bahrain.....	.000	.000	.008	.006	.012	.024	.024	.008	.025	.001	.018	.015
Iran.....	.974	.851	.888	.616	.890	1.043	.598	.953	.557	.849	.655	.706
Iraq.....	.838	.867	.701	.985	.409	.068	.316	.407	.665	.619	.276	.234
Kuwait.....	.249	.391	.208	.352	.184	.321	.233	.287	.192	.126	.165	.185
U.A.E.....	.065	.039	.066	.032	.029	.067	.054	.028	.044	.080	.116	.043
Qatar.....	.000	.000	.000	.000	.008	.000	.000	.005	.000	.000	.000	.000
Saudi Arabia.....	1.325	1.615	1.624	1.437	1.788	1.459	1.418	1.420	1.240	1.106	1.366	1.239
Imports from OPEC-Africa												
Total.....	2.345	2.549	2.701	2.685	2.856	2.496	2.635	2.433	2.230	2.326	2.311	2.449
Algeria.....	.781	.879	.835	.702	.956	.642	.821	.686	.573	.607	.766	.942
Libya.....	1.165	1.307	1.233	1.352	1.272	1.217	1.317	1.155	1.273	1.212	1.190	1.095
Nigeria.....	.399	.363	.634	.631	.628	.636	.496	.592	.384	.507	.355	.412
Imports from OPEC-South America												
Total.....	.312	.150	.202	.165	.163	.204	.174	.165	.180	.187	.210	.176
Venezuela.....	.312	.150	.202	.165	.163	.204	.174	.165	.180	.187	.210	.176
Imports from OPEC-Far East												
Total.....	.001	.001	.009	.008	.001	.004	.020	.001	.001	.016	.002	.001
Indonesia.....	.001	.001	.009	.008	.001	.004	.020	.001	.001	.016	.002	.001

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

NA=Not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis.

•"OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.10 France--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total Net Imports..	1.777	1.685	1.858	1.922	1.900	1.799	1.953	1.786	1.685	1.771	1.962	1.725
Imports from OPEC ^{1/}	.812	.828	1.012	.850	1.013	.665	.836	.693	.621	.780	.860	.708
Imports from Persian Gulf ^{2/}												
Total.....	.567	.612	.665	.589	.692	.344	.541	.488	.401	.531	.477	.394
Bahrain.....	.000	.000	.000	.000	.000	.017	.010	.008	.000	.001	.000	.001
Iran.....	.123	.097	.151	.053	.098	.032	.034	.089	.079	.059	.052	.111
Iraq.....	.181	.099	.152	.155	.162	.005	.141	.065	.068	.193	.036	.000
Kuwait.....	.000	.048	.000	.069	.006	.000	.005	.039	.017	.008	.063	.016
U.A.E.....	.020	.003	.018	.000	.007	.035	.000	.003	.007	.028	.045	.008
Qatar.....	.000	.000	.000	.000	.000	.000	.000	.005	.000	.000	.000	.000
Saudi Arabia.....	.243	.363	.344	.312	.419	.255	.351	.279	.231	.242	.281	.258
Imports from OPEC-Africa												
Total.....	.240	.211	.342	.253	.318	.315	.302	.202	.218	.247	.380	.312
Algeria.....	.102	.122	.143	.075	.117	.118	.147	.108	.082	.052	.215	.186
Libya.....	.076	.041	.074	.058	.020	.069	.051	.042	.048	.082	.097	.065
Nigeria.....	.061	.049	.125	.120	.181	.129	.105	.053	.088	.114	.068	.061
Imports from OPEC-South America												
Total.....	.005	.005	.005	.000	.002	.022	.001	.010	.000	.001	.001	.001
Venezuela.....	.005	.005	.005	.000	.002	.022	.001	.010	.000	.001	.001	.001
Imports from OPEC-Far East												
Total.....	.001	.001	.001	.008	.001	.001	.001	.001	.001	.001	.002	.001
Indonesia.....	.001	.001	.001	.008	.001	.001	.001	.001	.001	.001	.002	.001

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

NA=Not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.11 Germany--Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total Net Imports..	2.679	2.837	2.631	2.625	2.631	2.640	2.627	2.351	2.589	2.553	2.453	2.822
Imports from OPEC ¹ /	.674	.685	.640	.632	.555	.529	.520	.378	.542	.487	.480	.501
Imports from Persian Gulf ² /												
Total.....	.176	.164	.152	.126	.106	.101	.059	.046	.076	.110	.078	.136
Iran.....	.036	.000	.022	.006	.000	.004	.000	.005	.000	.017	.000	.016
Iraq.....	.008	.000	.000	.005	.000	.000	.000	.000	.000	.000	.000	.000
Kuwait.....	.024	.010	.020	.011	.006	.005	.000	.000	.000	.015	.000	.000
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.108	.153	.109	.104	.101	.092	.059	.040	.076	.078	.078	.119
Imports from OPEC-Africa												
Total.....	.437	.483	.442	.491	.419	.385	.444	.320	.429	.347	.372	.329
Algeria.....	.158	.193	.158	.128	.170	.077	.134	.057	.120	.067	.112	.127
Libya.....	.248	.280	.257	.284	.212	.261	.276	.242	.266	.181	.207	.150
Nigeria.....	.031	.010	.027	.080	.038	.047	.034	.020	.043	.100	.053	.053
Imports from OPEC-South America												
Total.....	.060	.038	.047	.015	.029	.043	.017	.013	.038	.030	.030	.036
Venezuela.....	.060	.038	.047	.015	.029	.043	.017	.013	.038	.030	.030	.036
Imports from OPEC-Far East												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.12 Italy--Net Oil Imports (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total Net Imports..	1.766	1.875	1.693	1.775	1.792	1.869	1.599	1.640	1.657	1.556	1.414	1.715
Imports from OPEC ^{1/}	1.288	1.417	1.253	1.423	1.398	1.303	1.160	1.272	1.143	1.102	.938	1.135
Imports from Persian Gulf ^{2/}												
Total.....	.568	.719	.636	.627	.580	.593	.395	.626	.488	.424	.405	.469
Bahrain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iran.....	.170	.279	.215	.267	.202	.288	.099	.301	.179	.226	.181	.257
Iraq.....	.158	.207	.170	.192	.065	.000	.107	.130	.075	.074	.036	.033
Kuwait.....	.032	.031	.063	.031	.000	.062	.034	.030	.031	.000	.000	.000
U.A.E.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Saudi Arabia.....	.207	.202	.187	.137	.313	.244	.155	.165	.203	.124	.188	.179
Imports from OPEC-Africa												
Total.....	.709	.691	.598	.778	.804	.694	.756	.646	.644	.678	.507	.659
Algeria.....	.136	.096	.117	.104	.180	.108	.143	.096	.102	.152	.042	.136
Libya.....	.573	.595	.481	.611	.577	.521	.534	.514	.520	.526	.465	.523
Nigeria.....	.000	.000	.000	.063	.047	.065	.079	.037	.022	.000	.000	.000
Imports from OPEC-South America												
Total.....	.012	.006	.010	.018	.014	.016	.008	.000	.012	.000	.026	.007
Venezuela.....	.012	.006	.010	.018	.014	.016	.008	.000	.012	.000	.026	.007
Imports from OPEC-Far East												
Total.....	.000	.000	.009	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.000	.000	.009	.000	.000	.000	.000	.000	.000	.000	.000	.000

^{1/} OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

^{2/} The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.13 Korea, South -- Net Oil Imports (Most Recent 12 Months)
(Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total Net Imports..	1.563	2.332	2.165	2.391	2.101	2.197	2.498	2.095	2.215	1.811	2.202	2.046
Imports from OPEC ^{1/}	1.821	2.371	2.305	2.556	2.114	2.291	2.620	2.227	2.279	2.026	2.266	1.970
Imports from Persian Gulf ^{2/}												
Total.....	1.699	2.207	2.161	2.383	1.950	2.091	2.410	2.002	2.054	1.836	2.029	1.820
Bahrain.....	.025	.010	.000	.000	.008	.010	.000	.001	.000	.000	.025	.024
Iran.....	.186	.281	.142	.341	.241	.282	.208	.242	.249	.247	.292	.152
Iraq.....	.092	.067	.034	.100	.068	.000	.040	.000	.071	.000	.000	.000
Kuwait.....	.204	.224	.290	.364	.193	.282	.308	.281	.207	.254	.278	.353
U.A.E.....	.412	.488	.468	.481	.519	.404	.602	.616	.447	.358	.535	.435
Qatar.....	.096	.197	.228	.218	.142	.144	.283	.159	.207	.108	.176	.106
Saudi Arabia.....	.684	.940	1.000	.878	.779	.968	.969	.703	.873	.869	.722	.749
Imports from OPEC-Africa												
Total.....	.000	.030	.011	.063	.060	.029	.000	.013	.022	.049	.049	.017
Algeria.....	.000	.000	.011	.000	.000	.000	.000	.000	.009	.008	.018	.017
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.000	.030	.000	.063	.060	.029	.000	.013	.013	.041	.031	.000
Imports from OPEC-South America												
Total.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Venezuela.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Imports from OPEC-Far East												
Total.....	.147	.143	.132	.110	.112	.181	.210	.213	.204	.141	.213	.157
Indonesia.....	.147	.143	.132	.110	.112	.181	.210	.213	.204	.141	.213	.157

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.14 OECD Imports from Iraq (Most Recent 12 Months)
 (Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total.....	1.958	1.860	1.618	2.041	1.133	0.524	0.676	1.183	1.767	1.753	1.137	1.074
United States ^{1/}.....	.765	.765	.653	.585	.528	.294	.236	.566	.862	.973	.740	.697
Canada.....	.060	.053	.018	.111	.000	.119	.077	.115	.098	.062	.061	.090
OECD Europe ^{2/}.....	.838	.867	.701	.985	.409	.068	.316	.407	.665	.619	.276	.234
Main European Importers												
France.....	.181	.099	.152	.155	.162	.005	.141	.065	.068	.193	.036	.000
Germany ^{3/}.....	.008	.000	.000	.005	.000	.000	.000	.000	.000	.000	.000	.000
Italy.....	.158	.207	.170	.192	.065	.000	.107	.130	.075	.074	.036	.033
Spain.....	.136	.131	.130	.121	.000	.000	.000	.067	.170	.065	.000	.032
Netherlands.....	.071	.081	.032	.176	.013	.005	.011	.075	.226	.095	.092	.072
Smaller European Importers												
Austria.....	.034	.022	.011	.028	.045	.017	.002	.000	.023	.015	.041	.022
Belgium.....	.034	.131	.070	.096	.032	.042	.013	.000	.050	.071	.035	.010
Czech Republic.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Greece.....	.032	.054	.000	.068	.036	.000	.041	.051	.033	.034	.035	.000
Hungary.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Portugal.....	.033	.035	.000	.033	.031	.000	.000	.000	.000	.033	.000	.000
Sweden.....	.000	.013	.000	.067	.000	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.151	.093	.135	.044	.024	.000	.000	.019	.021	.039	.000	.064
Japan.....	.108	.064	.191	.205	.110	.000	.000	.000	.000	.000	.000	.000
Korea, South.....	.092	.067	.034	.100	.068	.000	.040	.000	.071	.000	.000	.000
Other OECD.....	.094	.045	.021	.054	.017	.043	.008	.096	.072	.099	.061	.053

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

NA=Not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Table 3.15 OECD Imports from Kuwait (Most Recent 12 Months)
(Million Barrels per Day)

	2000						2001					
	August	Sept	Oct	Nov	Dec	Jan	Feb	Mar	April	May	June	July
Total.....	1.414	1.423	1.470	1.500	1.370	1.438	1.545	1.513	1.109	1.219	1.165	1.335
United States ^{1/}....	.405	.352	.337	.248	.344	.242	.280	.302	.242	.251	.255	.287
Canada.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
OECD Europe ^{2/}.....	.249	.391	.208	.352	.184	.321	.233	.287	.192	.126	.165	.185
Main European Importers												
France.....	.000	.048	.000	.069	.006	.000	.005	.039	.017	.008	.063	.016
Germany ^{3/}.....	.024	.010	.020	.011	.006	.005	.000	.000	.000	.015	.000	.000
Italy.....	.032	.031	.063	.031	.000	.062	.034	.030	.031	.000	.000	.000
Spain.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Netherlands.....	.178	.286	.078	.226	.147	.191	.145	.192	.117	.063	.074	.138
European Net Exporters												
United Kingdom....	.000	.005	.026	.008	.015	.018	.018	.010	.011	.027	.018	.031
Smaller European Importers												
Belgium.....	.000	.000	.000	.000	.000	.016	.000	.000	.000	.000	.000	.000
Denmark.....	.000	.000	.000	.000	.000	.006	.004	.000	.000	.000	.009	.000
Finland.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.012	.000	.000
Greece.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Turkey.....	.015	.010	.021	.005	.010	.022	.027	.016	.016	.000	.000	.000
Japan.....	.576	.441	.633	.535	.655	.595	.709	.640	.466	.580	.450	.501
Korea, South.....	.204	.224	.290	.364	.193	.282	.308	.281	.207	.254	.278	.353
Other OECD.....	-.019	.015	.002	.002	-.006	-.002	.015	.003	.002	.007	.017	.009

1/ U.S. geographic coverage is the 50 States and District of Columbia.

2/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ The data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

NA=Not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •See Section 4 for annual data.

Sources: See end of Section 3.

Sources for Section 3 (International Oil Imports)

Oil Imports

United States: • Energy Information Administration (EIA), Petroleum Supply Annual 2000 and Petroleum Supply Monthly, October 2001. Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Monthly Oil Statistics data base, 2000-2001.

4. Historical Oil Data Series 1970-2000

Table 4.1a World Crude Oil Production (Including Lease Condensate), 1970-2000
 (Thousand Barrels per Day)

	Algeria	Indo-nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene-zuela	Total OPEC
1970 Average.....	1,029	854	3,829	1,549	2,990	3,318	1,083	362	3,799	780	3,708	23,301
1971 Average.....	785	892	4,540	1,694	3,197	2,761	1,531	431	4,769	1,060	3,549	25,209
1972 Average.....	1,062	1,081	5,023	1,466	3,283	2,239	1,816	482	6,016	1,203	3,220	26,891
1973 Average.....	1,097	1,339	5,861	2,018	3,020	2,175	2,054	570	7,596	1,533	3,366	30,629
1974 Average.....	1,009	1,375	6,022	1,971	2,546	1,521	2,255	518	8,480	1,679	2,976	30,351
1975 Average.....	983	1,307	5,350	2,262	2,084	1,480	1,783	438	7,075	1,664	2,346	26,771
1976 Average.....	1,075	1,504	5,883	2,415	2,145	1,933	2,067	497	8,577	1,936	2,294	30,327
1977 Average.....	1,152	1,686	5,663	2,348	1,969	2,063	2,085	445	9,245	1,999	2,238	30,893
1978 Average.....	1,231	1,635	5,242	2,563	2,131	1,983	1,897	487	8,301	1,831	2,165	29,464
1979 Average.....	1,224	1,591	3,168	3,477	2,500	2,092	2,302	508	9,532	1,831	2,356	30,581
1980 Average.....	1,106	1,577	1,662	2,514	1,656	1,787	2,055	472	9,900	1,709	2,168	26,606
1981 Average.....	1,002	1,605	1,380	1,000	1,125	1,140	1,433	405	9,815	1,474	2,102	22,481
1982 Average.....	987	1,339	2,214	1,012	823	1,150	1,295	330	6,483	1,250	1,895	18,778
1983 Average.....	968	1,343	2,440	1,005	1,064	1,105	1,241	295	5,086	1,149	1,801	17,497
1984 Average.....	1,014	1,412	2,174	1,209	1,157	1,087	1,388	394	4,663	1,146	1,798	17,442
1985 Average.....	1,037	1,325	2,250	1,433	1,023	1,059	1,495	301	3,388	1,193	1,677	16,181
1986 Average.....	945	1,390	2,035	1,690	1,419	1,034	1,467	308	4,870	1,330	1,787	18,275
1987 Average.....	1,048	1,343	2,298	2,079	1,585	972	1,341	293	4,265	1,541	1,752	18,517
1988 Average.....	1,040	1,342	2,240	2,685	1,492	1,175	1,450	346	5,086	1,565	1,903	20,324
1989 Average.....	1,095	1,409	2,810	2,897	1,783	1,150	1,716	380	5,064	1,860	1,907	22,071
1990 Average.....	1,175	1,462	3,088	2,040	1,175	1,375	1,810	406	6,410	2,117	2,137	23,195
1991 Average.....	1,230	1,592	3,312	305	190	1,483	1,892	395	8,115	2,386	2,375	23,275
1992 Average.....	1,214	1,504	3,429	425	1,058	1,433	1,943	423	8,332	2,266	2,371	24,398
1993 Average.....	1,162	1,511	3,540	512	1,852	1,361	1,960	413	8,198	2,159	2,450	25,119
1994 Average.....	1,180	1,510	3,618	553	2,025	1,378	1,931	415	8,120	2,193	2,588	25,510
1995 Average.....	1,202	1,503	3,643	560	2,057	1,390	1,993	442	8,231	2,233	2,750	26,004
1996 Average.....	1,242	1,547	3,686	579	2,062	1,401	2,001	510	8,218	2,278	2,938	26,461
1997 Average	1,277	1,520	3,664	1,155	2,007	1,446	2,132	550	8,362	2,316	3,280	27,710
1998 Average	1,246	1,518	3,634	2,150	2,085	1,390	2,153	696	8,389	2,345	3,167	28,774
1999 Average	1,202	1,472	3,557	2,508	1,898	1,319	2,130	665	7,833	2,169	2,826	27,579
2000 Average P.....	1,239	1,466	3,719	2,571	2,126	1,410	2,144	737	8,404	2,348	2,949	29,113

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1970 through July 1990 and beginning again in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

P=Preliminary.

Notes: •OPEC=Organization of Petroleum Exporting Countries.

Sources: See end of Section 4.

Table 4.1b World Crude Oil Production (Including Lease Condensate), 1970-2000
 (Thousand Barrels per Day)

	Norway	United Kingdom	North Seal/ 1/	Angola	Argen-tina	Austra- lia	Brazil	Canada	China	Colombia	Ecuador
1970 Average.....	0	2	0	112	393	178	167	1,263	600	219	4
1971 Average.....	6	2	6	93	423	309	174	1,348	780	214	4
1972 Average.....	33	2	35	140	433	327	167	1,532	900	196	78
1973 Average.....	32	2	36	162	420	369	169	1,798	1,090	184	209
1974 Average.....	35	2	38	169	414	388	176	1,551	1,315	168	177
1975 Average.....	189	12	202	165	395	409	177	1,430	1,490	157	161
1976 Average.....	279	245	525	108	398	426	167	1,314	1,670	146	188
1977 Average.....	280	768	1,055	194	431	431	161	1,321	1,874	138	183
1978 Average.....	356	1,082	1,446	131	453	432	160	1,316	2,082	131	202
1979 Average.....	403	1,568	1,976	147	473	441	166	1,500	2,122	124	214
1980 Average.....	528	1,622	2,151	150	491	380	182	1,435	2,114	126	204
1981 Average.....	501	1,811	2,322	130	496	394	213	1,285	2,012	125	211
1982 Average.....	520	2,065	2,617	122	491	370	260	1,271	2,045	141	211
1983 Average.....	614	2,291	2,965	177	491	416	339	1,356	2,120	152	237
1984 Average.....	697	2,480	3,250	208	478	492	475	1,438	2,296	168	258
1985 Average.....	788	2,530	3,417	231	460	575	564	1,471	2,505	176	281
1986 Average.....	870	2,539	3,547	282	434	520	572	1,474	2,620	305	293
1987 Average.....	1,022	2,406	3,584	360	428	547	566	1,535	2,690	385	174
1988 Average.....	1,158	2,232	3,540	452	449	538	554	1,616	2,730	378	302
1989 Average.....	1,554	1,802	3,515	455	460	490	596	1,560	2,757	403	279
1990 Average.....	1,704	1,820	3,667	475	483	575	631	1,553	2,774	440	285
1991 Average.....	1,890	1,797	3,811	500	485	545	630	1,548	2,835	419	299
1992 Average.....	2,229	1,825	4,182	526	553	535	626	1,605	2,845	433	321
1993 Average.....	2,350	1,915	4,403	509	594	503	643	1,679	2,890	456	344
1994 Average.....	2,521	2,375	5,058	536	650	536	671	1,746	2,939	450	365
1995 Average.....	2,768	2,489	5,400	646	715	562	695	1,805	2,990	585	392
1996 Average.....	3,104	2,568	5,822	709	756	570	795	1,837	3,131	623	396
1997 Average	3,143	2,518	5,830	714	834	588	841	1,922	3,200	652	388
1998 Average	3,017	2,616	5,806	735	847	544	969	1,981	3,198	733	375
1999 Average	3,018	2,684	5,958	766	802	539	1,132	1,907	3,195	816	373
2000 Average P....	3,197	2,475	6,013	746	761	722	1,212	1,977	3,249	691	395

1/ North Sea includes the United Kingdom Offshore, Norway, Denmark, Netherlands Offshore, and Germany Offshore.

P=Preliminary.

Sources: See end of Section 4.

Table 4.1c World Crude Oil Production (Including Lease Condensate), 1970-2000
 (Thousand Barrels per Day)

	Egypt	Gabon	India	Malaysia	Mexico	Oman	Russia	Former U.S.S.R.	Syria	United States	Other ¹ / World
1970 Average.....	326	109	144	18	487	332	--	6,985	80	9,637	1,529
1971 Average.....	293	115	143	69	486	294	--	7,475	100	9,463	1,518
1972 Average.....	231	125	156	93	505	282	--	7,890	124	9,441	1,592
1973 Average.....	165	150	147	91	465	293	--	8,324	105	9,208	1,667
1974 Average.....	150	202	156	81	571	290	--	8,912	124	8,774	1,711
1975 Average.....	235	223	165	98	705	343	--	9,523	170	8,375	1,636
1976 Average.....	330	223	175	165	831	366	--	10,060	175	8,132	1,620
1977 Average.....	415	222	199	184	981	341	--	10,603	188	8,245	1,655
1978 Average.....	485	209	226	217	1,209	315	--	11,105	170	8,707	1,706
1979 Average.....	525	203	245	283	1,461	295	--	11,384	166	8,552	1,821
1980 Average.....	595	175	182	283	1,936	282	--	11,706	164	8,597	1,842
1981 Average.....	598	151	325	264	2,313	319	--	11,850	166	8,572	1,859
1982 Average.....	670	156	390	306	2,748	324	--	11,912	160	8,649	1,892
1983 Average.....	727	157	480	365	2,689	375	--	11,972	167	8,688	1,946
1984 Average.....	822	157	519	440	2,780	414	--	11,861	170	8,879	2,015
1985 Average.....	887	172	620	440	2,745	498	--	11,585	178	8,971	2,124
1986 Average.....	813	166	630	504	2,435	560	--	11,895	194	8,680	2,166
1987 Average.....	896	155	609	497	2,548	582	--	12,050	230	8,349	2,120
1988 Average.....	848	159	635	540	2,512	617	--	12,053	265	8,140	2,235
1989 Average.....	865	208	700	585	2,520	641	--	11,715	340	7,613	2,249
1990 Average.....	873	270	660	619	2,553	685	--	10,975	388	7,355	2,253
1991 Average.....	874	294	615	646	2,680	700	--	9,992	492	7,417	2,274
1992 Average.....	881	298	561	653	2,669	740	7,632	--	481	7,171	3,229
1993 Average.....	890	313	534	640	2,673	776	6,730	--	554	6,847	3,279
1994 Average.....	896	329	590	645	2,685	810	6,135	--	560	6,662	3,380
1995 Average.....	920	365	703	682	2,618	851	5,995	--	575	6,560	3,414
1996 Average.....	922	368	651	695	2,855	883	5,850	--	582	6,465	3,490
1997 Average	856	370	675	700	3,023	904	5,920	--	561	6,452	3,719
1998 Average	834	352	661	720	3,070	900	5,854	--	553	6,252	3,936
1999 Average	852	340	653	693	2,906	887	6,079	--	538	5,881	4,231
2000 Average P....	710	330	646	690	3,012	940	6,479	--	523	5,822	4,511
											68,200

¹/ Other is a calculated total derived from the difference between "World" and the sum of production in "Total OPEC" (Table 1.1a) and all other countries listed (Tables 1.1b and 1.1c). The total "North Sea" is not subtracted from the world total, though Norway and the United Kingdom have been subtracted.

-- = Not applicable. P=Preliminary.

Sources: See end of Section 4.

Table 4.2 OPEC Crude Oil Production (Excluding Condensate), 1980-2000
 (Thousands Barrels per Day)

	Algeria	Indo-nesia	Iran	Iraq	Kuwait ^{1/}	Libya	Nigeria	Qatar	Saudi Arabia ^{1/}	United Arab Emirates	Vene-zuela	Total OPEC
1980 Average...	1,006	1,497	1,662	2,514	1,656	1,787	2,045	472	9,900	1,704	2,147	26,390
1981 Average...	802	1,513	1,380	1,000	1,125	1,140	1,423	405	9,815	1,469	2,083	22,155
1982 Average...	712	1,247	2,214	1,012	823	1,150	1,285	330	6,483	1,215	1,878	18,349
1983 Average...	648	1,245	2,440	1,005	1,064	1,105	1,231	295	5,086	1,109	1,768	16,996
1984 Average...	694	1,279	2,174	1,209	1,157	1,087	1,368	394	4,663	1,091	1,689	16,805
1985 Average...	702	1,181	2,250	1,433	1,023	1,059	1,475	301	3,388	1,133	1,558	15,503
1986 Average...	600	1,257	2,035	1,690	1,419	1,034	1,447	308	4,870	1,270	1,645	17,575
1987 Average...	648	1,189	2,298	2,079	1,585	972	1,291	293	4,265	1,441	1,587	17,648
1988 Average...	640	1,177	2,240	2,685	1,492	1,175	1,400	346	5,086	1,465	1,715	19,421
1989 Average...	690	1,231	2,810	2,897	1,783	1,150	1,666	380	5,064	1,783	1,747	21,201
1990 Average...	765	1,281	3,088	2,040	1,175	1,375	1,755	406	6,410	2,066	2,100	22,461
1991 Average...	800	1,410	3,312	305	190	1,483	1,832	395	8,115	2,326	2,338	22,506
1992 Average...	772	1,326	3,429	425	1,058	1,433	1,820	423	8,332	2,206	2,334	23,558
1993 Average...	747	1,327	3,540	512	1,852	1,361	1,835	413	8,198	2,109	2,410	24,304
1994 Average...	750	1,334	3,583	548	2,025	1,378	1,821	380	8,120	2,113	2,542	24,594
1995 Average...	767	1,343	3,608	555	2,057	1,390	1,878	407	8,231	2,148	2,710	25,094
1996 Average...	812	1,367	3,651	574	2,062	1,401	1,885	475	8,218	2,198	2,898	25,541
1997 Average...	847	1,355	3,629	1,150	2,007	1,446	2,017	515	8,362	2,236	3,240	26,804
1998 Average...	816	1,338	3,599	2,145	2,085	1,390	2,043	661	8,389	2,265	3,127	27,858
1999 Average ..	772	1,324	3,522	2,503	1,898	1,319	2,020	630	7,833	2,089	2,776	26,686
2000 Average P.	809	1,286	3,684	2,566	2,126	1,410	2,034	702	8,404	2,268	2,899	28,188

^{1/} Includes about one-half of the production in the Kuwait-Saudi Arabia Neutral Zone from 1980 through July 1990 and beginning again in June 1991. Kuwaiti Neutral Zone output was discontinued following Iraq's invasion of Kuwait on August 2, 1990, but was resumed in June 1991. From August 1990 through May 1991, all production in the Neutral Zone was included in the data for Saudi Arabia. Data for Saudi Arabia include approximately 150,000 barrels per day from the Abu Safah field, produced on behalf of Bahrain.

P=Preliminary.

Note: OPEC=Organization of Petroleum Exporting Countries. See Appendix A for Countries in this group.

Sources: See end of Section 4.

Table 4.3 World Natural Gas Plant Liquids Production, 1970-2000
 (Thousand Barrels per Day)

	Algeria	Canada	Mexico	Saudi Arabia	Russia	Former USSR	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1970 Average.....	3	200	58	50	--	120	1,660	119	137	205	2,383
1971 Average.....	4	234	59	50	--	135	1,693	138	147	243	2,508
1972 Average.....	4	293	61	55	--	155	1,744	155	159	275	2,676
1973 Average.....	9	314	75	90	--	170	1,738	191	196	324	2,785
1974 Average.....	12	314	80	130	--	190	1,688	231	219	347	2,789
1975 Average.....	20	309	80	140	--	205	1,633	246	252	372	2,790
1976 Average.....	24	289	95	185	--	220	1,603	291	313	442	2,865
1977 Average.....	19	290	105	215	--	235	1,618	335	366	482	2,982
1978 Average.....	25	281	115	250	--	255	1,567	410	447	566	3,078
1979 Average.....	30	331	150	303	--	270	1,584	458	535	637	3,285
1980 Average.....	36	331	193	369	--	285	1,573	534	618	732	3,444
1981 Average.....	49	330	241	433	--	300	1,609	599	691	825	3,625
1982 Average.....	58	318	255	430	--	315	1,550	612	721	842	3,626
1983 Average.....	56	309	265	330	--	330	1,559	552	655	780	3,635
1984 Average.....	105	336	257	355	--	340	1,630	604	761	869	3,869
1985 Average.....	120	337	271	375	--	350	1,609	645	808	892	3,938
1986 Average.....	120	328	352	385	--	440	1,551	700	860	969	4,150
1987 Average.....	140	367	338	418	--	430	1,595	721	900	1,006	4,279
1988 Average.....	120	381	370	499	--	450	1,625	808	979	1,077	4,481
1989 Average.....	130	410	384	503	--	425	1,546	851	1,041	1,188	4,502
1990 Average.....	130	426	428	620	--	425	1,559	930	1,107	1,281	4,632
1991 Average.....	140	431	457	680	--	420	1,659	931	1,113	1,299	4,827
1992 Average.....	140	460	454	713	230	--	1,697	1,003	1,185	1,364	4,974
1993 Average.....	145	506	459	704	220	--	1,736	1,040	1,238	1,435	5,180
1994 Average.....	140	529	461	698	200	--	1,727	1,071	1,267	1,465	5,292
1995 Average.....	145	581	447	701	180	--	1,762	1,106	1,301	1,506	5,485
1996 Average.....	150	596	423	697	185	--	1,830	1,082	1,295	1,501	5,576
1997 Average.....	160	636	388	712	195	--	1,817	1,152	1,384	1,589	5,721
1998 Average.....	155	651	424	755	220	--	1,759	1,225	1,449	1,662	5,874
1999 Average.....	190	653	439	666	231	--	1,850	1,152	1,411	1,648	5,984
2000 Average P....	190	699	438	706	232	--	1,911	1,206	1,463	1,706	6,168

^{1/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{2/} See Appendix A for countries in this group.

^{3/} OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in these groups.

P=Preliminary.

Sources: See end of Section 4.

Table 4.4 World Oil Supply, 1970-2000
 (Thousand Barrels per Day)

	United States ^{1/}	Persian Gulf ^{2/}	OAPEC ^{3/}	OPEC ^{3/}	World
1970 Average.....	11,673	13,541	14,571	23,567	48,986
1971 Average.....	11,554	15,940	15,427	25,514	51,766
1972 Average.....	11,601	17,734	16,451	27,228	54,574
1973 Average.....	11,428	20,895	18,656	31,015	59,300
1974 Average.....	10,978	21,550	18,399	30,762	59,391
1975 Average.....	10,505	19,223	16,831	27,218	56,511
1976 Average.....	10,251	21,847	19,563	30,841	61,121
1977 Average.....	10,437	22,098	20,372	31,443	63,665
1978 Average.....	10,820	21,067	19,819	30,120	64,225
1979 Average.....	10,707	21,569	22,575	31,300	66,973
1980 Average.....	10,809	18,541	20,715	27,419	64,139
1981 Average.....	10,739	15,894	17,619	23,393	60,746
1982 Average.....	10,783	12,815	13,786	19,702	58,215
1983 Average.....	10,788	11,676	12,416	18,352	58,046
1984 Average.....	11,107	11,433	12,619	18,389	59,638
1985 Average.....	11,192	10,320	11,498	17,151	59,249
1986 Average.....	10,905	12,441	13,653	19,310	61,758
1987 Average.....	10,648	12,869	13,992	19,589	62,418
1988 Average.....	10,473	14,310	15,662	21,465	64,690
1989 Average.....	9,880	15,733	16,658	23,323	65,877
1990 Average.....	9,677	16,249	17,232	24,536	66,743
1991 Average.....	9,883	15,704	16,747	24,625	66,617
1992 Average.....	9,768	17,010	17,871	25,818	66,941
1993 Average.....	9,602	17,792	18,505	26,610	67,335
1994 Average.....	9,413	18,072	18,745	27,031	68,246
1995 Average.....	9,400	18,351	19,069	27,566	69,868
1996 Average.....	9,445	18,486	19,237	28,018	71,397
1997 Average.....	9,461	19,284	20,067	29,355	73,658
1998 Average.....	9,278	20,599	21,282	30,492	75,124
1999 Average.....	8,993	19,856	20,542	29,283	74,184
2000 Average P.....	9,058	21,183	21,672	30,874	76,858

1/ U.S. geographic coverage is the 50 States and the District of Columbia.

2/ See Appendix A for countries in this group.

3/ OAPEC=Organization of Arab Petroleum Exporting Countries. OPEC=Organization of Petroleum Exporting Countries.

See Appendix A for countries in these groups.

P=Preliminary.

Note: Oil Supply includes crude oil, natural gas plant liquids, other liquids, and refinery processing gain.

See Explanatory Note 1 in Appendix B.

Sources: See end of Section 4.

Table 4.5 Oil Stocks in OECD Countries, End of Year
(Million Barrels)

		France	Germany ^{1/}	Italy	United Kingdom	OECD Europe ^{2/}	Canada	Japan	Korea, South	United States ^{3/}	Other ^{4/}	Total OECD
1973	December.....	201	181	152	156	1,070	140	303	NA	1,008	67	2,588
1974	December.....	249	213	167	191	1,227	145	370	NA	1,074	64	2,880
1975	December.....	225	187	143	165	1,154	174	375	NA	1,133	67	2,903
1976	December.....	234	208	143	165	1,205	153	380	NA	1,112	68	2,918
1977	December.....	239	225	161	148	1,268	167	409	NA	1,312	68	3,224
1978	December.....	201	238	154	157	1,219	144	413	NA	1,278	68	3,122
1979	December.....	226	272	163	169	1,353	150	460	NA	1,341	75	3,379
1980	December.....	243	319	170	168	1,464	164	495	NA	1,392	72	3,587
1981	December.....	214	297	167	143	1,337	161	482	NA	1,484	67	3,531
1982	December.....	193	272	179	125	1,258	136	484	NA	1,430	68	3,376
1983	December.....	153	249	149	118	1,142	121	470	NA	1,454	68	3,255
1984	December.....	152	239	159	112	1,130	128	479	NA	1,556	69	3,362
1985	December.....	139	233	157	123	1,092	113	494	NA	1,519	66	3,284
1986	December.....	127	252	155	124	1,133	111	509	NA	1,593	72	3,418
1987	December.....	127	259	169	121	1,130	126	540	NA	1,607	71	3,474
1988	December.....	140	266	155	112	1,118	116	538	NA	1,597	71	3,440
1989	December.....	138	271	164	118	1,133	114	577	NA	1,581	71	3,476
1990	December.....	140	265	172	112	1,163	121	590	NA	1,621	73	3,568
1991	December.....	153	288	160	119	1,181	119	606	NA	1,617	65	3,588
1992	December.....	146	310	174	113	1,219	107	603	NA	1,592	67	3,588
1993	December.....	158	309	163	118	1,221	105	618	NA	1,647	69	3,661
1994	December.....	158	312	164	115	1,240	119	645	NA	1,653	69	3,726
1995	December.....	159	301	162	107	1,228	109	630	NA	1,563	71	3,601
1996	December.....	158	300	152	108	1,256	103	651	NA	1,507	74	3,591
***** See Footnote 5 for Explanation of Changes in Data Series *****												
1997	December	164	298	147	105	1,306	115	685	88	1,560	122	3,876
1998	December	161	321	153	109	1,364	118	649	85	1,647	112	3,975
1999	December	163	287	148	105	1,294	109	629	84	1,493	106	3,715
2000	December P....	174	271	157	103	1,304	112	634	89	1,468	118	3,724

1/ Data through December 1990 are for the former West Germany. Beginning with December 1991, the data for Germany are for the unified Germany, i.e., the former East Germany and West Germany.

2/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

3/ U.S. geographic coverage is the 50 States and the District of Columbia. In the United States in January 1975, 1981, and 1983, numerous respondents were added to bulk terminal and pipeline surveys affecting subsequent stocks reported. Using the new basis, the end-of-year U.S. stocks, in million barrels, would have been 1,121 in 1974, 1,425 in 1980, and 1,461 in 1982.

4/ "Other" consists of Australia, Mexico, New Zealand, and the U.S. Territories.

5/ There is a discontinuity in the time series between 1996 and 1997. Consistent stock data prior to 1997 are not available for five countries -- Czech Republic, Hungary, Mexico, Poland, and South Korea. Data are available for 1997 forward.

P=Preliminary. NA=Not available.

Note: Oil Stocks - See Explanatory Note 2 in Appendix B.

Sources: See end of Section 4.

Table 4.6 World Oil Demand, 1970-2000
(Thousand Barrels per Day)

	France	Germany ^{1/}	United Italy	Kingdom	OECD Europe ^{2/3/}	Canada	Korea, Japan	United South	States ^{4/}	Other ^{5/}	Total OECD ^{3/}	World Total
1970 Average...	1,937	2,830	1,710	2,096	12,924	1,516	3,817	199	14,697	1,339	34,492	46,808
1971 Average...	2,115	2,941	1,838	2,141	13,570	1,564	4,142	232	15,213	1,350	36,072	49,416
1972 Average...	2,322	3,097	1,947	2,284	14,533	1,664	4,363	235	16,367	1,537	38,699	53,094
1973 Average...	2,601	3,324	2,068	2,341	15,598	1,729	4,949	281	17,308	1,658	41,523	57,237
1974 Average...	2,447	3,030	2,004	2,210	14,699	1,779	4,864	287	16,653	1,806	40,089	56,677
1975 Average...	2,252	2,957	1,855	1,911	13,998	1,779	4,621	311	16,322	1,794	38,825	56,198
1976 Average...	2,420	3,206	1,971	1,892	14,964	1,818	4,837	357	17,461	1,946	41,382	59,673
1977 Average...	2,294	3,212	1,897	1,905	14,810	1,850	4,880	422	18,431	2,035	42,429	61,826
1978 Average...	2,408	3,290	1,952	1,938	15,247	1,902	4,945	482	18,847	2,194	43,616	64,158
1979 Average...	2,463	3,373	2,039	1,971	15,668	1,971	5,050	525	18,513	2,278	44,005	65,220
1980 Average...	2,256	3,082	1,934	1,725	14,640	1,873	4,960	537	17,056	2,342	41,408	63,067
1981 Average...	2,023	2,804	1,874	1,590	13,452	1,768	4,848	536	16,058	2,479	39,141	60,903
1982 Average...	1,880	2,743	1,781	1,590	12,965	1,578	4,582	534	15,296	2,484	37,439	59,503
1983 Average...	1,835	2,661	1,750	1,531	12,650	1,448	4,395	561	15,231	2,303	36,588	58,739
1984 Average...	1,754	2,662	1,646	1,849	12,629	1,472	4,576	587	15,726	2,442	37,432	59,831
1985 Average...	1,775	2,700	1,717	1,634	12,603	1,504	4,384	569	15,726	2,441	37,228	60,091
1986 Average...	1,772	2,860	1,738	1,649	13,009	1,506	4,439	607	16,281	2,436	38,277	61,759
1987 Average...	1,789	2,767	1,855	1,603	13,142	1,548	4,484	639	16,665	2,479	38,957	62,999
1988 Average...	1,797	2,744	1,836	1,697	13,291	1,693	4,752	731	17,283	2,489	40,238	64,819
1989 Average...	1,857	2,581	1,930	1,738	13,359	1,733	4,983	843	17,325	2,638	40,881	65,917
1990 Average...	1,818	2,664	1,872	1,752	13,368	1,690	5,140	1,025	16,988	2,706	40,917	65,974
1991 Average...	1,935	2,828	1,863	1,801	13,827	1,622	5,284	1,202	16,714	2,751	41,400	66,559
1992 Average...	1,926	2,843	1,937	1,803	14,073	1,643	5,446	1,456	17,033	2,773	42,424	66,758
1993 Average...	1,875	2,900	1,852	1,815	14,140	1,688	5,401	1,690	17,237	2,826	42,982	66,996
1994 Average...	1,833	2,879	1,841	1,837	14,226	1,727	5,674	1,856	17,718	2,966	44,167	68,286
1995 Average...	1,896	2,875	2,048	1,845	14,756	1,755	5,711	2,027	17,725	2,989	44,962	69,878
1996 Average...	1,935	2,911	2,058	1,845	14,964	1,797	5,867	2,183	18,309	2,953	46,072	71,411
***** See Note Below and Appendix B, Notes 3 and 4 for Explanation of Change in Data Series *****												
1997 Average...	1,957	2,915	1,908	1,805	15,009	1,923	5,728	2,260	18,620	3,084	46,626	72,852
1998 Average...	2,030	2,921	1,945	1,789	15,335	1,947	5,528	1,930	18,917	3,228	46,885	73,601
1999 Average...	2,027	2,836	1,841	1,739	15,169	2,029	5,587	2,075	19,519	3,313	47,692	74,983
2000 Average P.	2,021	2,770	1,867	1,721	15,140	2,073	5,528	2,146	19,701	3,331	47,920	75,525

^{1/} Data are for unified Germany, i.e., the former East Germany and West Germany.

^{2/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{3/} Data for 1970 - 1992 exclude Czech Republic.

^{4/} U.S. geographic coverage is the 50 States and the District of Columbia.

^{5/} "Other" consists of Australia, Mexico, New Zealand, and the U.S. Territories.

P=Preliminary.

Note: There is a discontinuity in the time series between 1996 and 1997. The term Demand is used interchangeably with Consumption and Petroleum Products Supplied. See Appendix C for definition.

Sources: See end of Section 4.

Table 4.7 OECD Total Net Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total ^{1/}	20.565	20.282	21.016	21.953	21.984	21.688	22.488	23.230	23.589	23.632	23.651
United States ^{2/}	7.161	6.626	6.938	7.618	8.054	7.886	8.498	9.158	9.764	9.912	10.419
Canada.....	-.429	-.486	-.553	-.594	-.632	-.763	-.812	-.829	-.917	-.800	-.839
Mexico.....	-1.327	-1.451	-1.435	-1.316	-1.283	-1.285	-1.463	-1.485	-1.494	-1.365	-1.404
OECD Europe ^{1/3/}	8.604	8.837	8.745	8.552	7.775	7.652	7.829	7.841	8.406	7.684	7.813
Main European Importers											
France.....	1.750	1.851	1.766	1.741	1.596	1.702	1.716	1.747	1.855	1.862	1.868
Germany ^{4/}	2.202	2.642	2.714	2.697	2.704	2.673	2.766	2.778	2.860	2.608	2.561
Italy.....	1.788	1.750	1.819	1.728	1.760	1.802	1.773	1.775	1.809	1.731	1.744
Netherlands.....	.668	.677	.699	.674	.706	.686	.748	.758	.765	.753	.859
Spain.....	.950	.937	.985	1.054	1.105	1.188	1.169	1.259	1.350	1.384	1.413
European Net Exporters											
Norway.....	-1.543	-1.825	-2.102	-2.255	-2.587	-2.795	-3.150	-3.176	-3.043	-3.027	-3.202
United Kingdom....	-.214	-.170	-.233	-.368	-.861	-.980	-.850	-.980	-1.031	-1.260	-1.068
Smaller European Importers											
Austria.....	.201	.210	.207	.203	.208	.194	.213	.221	.234	.226	.216
Belgium.....	.442	.498	.510	.496	.510	.488	.564	.581	.605	.549	.579
Czech Republic ^{5/} ..	-	-	-	.139	.154	.154	.169	.160	.162	.160	.153
Denmark.....	.063	.046	.031	.022	.025	.038	.027	-.007	-.004	-.088	-.160
Ireland.....	.095	.094	.096	.101	.109	.115	.123	.133	.147	.165	.144
Finland.....	.208	.200	.185	.180	.231	.143	.178	.184	.208	.208	.223
Greece.....	.273	.293	.322	.323	.289	.339	.346	.356	.382	.352	.381
Hungary.....	.128	.114	.123	.119	.111	.108	.102	.106	.113	.103	.101
Iceland.....	.011	.012	.011	.014	.015	.015	.015	.016	.017	.018	.019
Luxembourg.....	.034	.039	.040	.039	.040	.036	.039	.040	.043	.044	.049
Poland.....	.275	.271	.297	.304	.294	.298	.360	.383	.392	.390	.382
Portugal.....	.250	.256	.276	.269	.266	.287	.271	.292	.321	.340	.325
Sweden.....	.324	.308	.316	.330	.357	.351	.400	.365	.378	.347	.347
Switzerland.....	.273	.272	.276	.249	.261	.247	.258	.268	.277	.256	.249
Turkey.....	.425	.361	.407	.494	.484	.563	.594	.583	.565	.561	.629
Japan.....	5.239	5.237	5.413	5.415	5.711	5.662	5.736	5.762	5.352	5.463	5.486
Korea, South.....	1.046	1.205	1.523	1.770	1.874	1.991	2.171	2.310	2.015	2.158	2.224
Other OECD.....	.270	.314	.384	.507	.483	.546	.529	.471	.463	.579	-.050

^{1/} Data for 1990-1992 exclude Czech Republic.

^{2/} U.S. geographic coverage is the 50 States and District of Columbia.

^{3/} "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

^{4/} Data for 1990 are for the former West Germany only.

^{5/} Data for 1990-1992 are not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.8 OECD Imports from OPEC, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total ^{1/}	15.576	15.360	15.567	16.018	15.765	15.469	15.630	18.751	19.135	18.389	18.704
United States ^{2/}	4.172	3.918	3.888	4.103	4.036	3.979	4.194	4.542	4.881	4.934	5.182
Canada.....	.199	.210	.210	.268	.285	.257	.261	.312	.297	.301	.310
Mexico ^{3/}	-	-	-	-	-	-	-	.052	.036	.044	.060
OECD Europe ^{4/5/}	6.633	6.728	6.758	6.794	6.385	6.154	6.053	6.268	6.711	5.925	5.936
Main European Importers											
France.....	1.101	1.021	.932	1.006	.956	.911	.897	.899	1.029	.915	.883
Germany ^{6/}.....	.771	.859	.957	.948	.838	.711	.660	.645	.656	.597	.595
Italy.....	1.375	1.393	1.343	1.222	1.117	1.203	1.244	1.353	1.421	1.234	1.288
Netherlands.....	.850	.900	.914	.982	.906	.791	.779	.774	.849	.789	.711
Spain.....	.652	.700	.632	.582	.668	.781	.775	.789	.867	.814	.842
European Net Exporters											
Norway.....	.007	.014	.004	.005	.003	.003	.001	.003	.000	.001	.000
United Kingdom....	.406	.377	.390	.439	.306	.254	.234	.199	.213	.135	.161
Smaller European Importers											
Austria.....	.097	.108	.115	.128	.119	.057	.023	.130	.122	.105	.091
Belgium.....	.313	.362	.359	.359	.284	.276	.284	.292	.341	.221	.253
Czech Republic ^{3/} ..	-	-	-	-	-	-	-	.008	.011	.013	.010
Denmark.....	.044	.006	.001	.006	.008	.022	.027	.031	.033	.030	.032
Ireland.....	.000	.000	.000	.000	.000	.000	.000	-	-	-	-
Finland.....	.013	.029	.033	.007	.004	.004	.001	.006	.004	.000	.000
Greece.....	.340	.298	.346	.303	.266	.263	.280	.317	.352	.314	.314
Hungary ^{3/}	-	-	-	-	-	-	-	.000	.001	.000	.000
Poland ^{3/}	-	-	-	-	-	-	-	.000	.005	.001	.001
Portugal.....	.166	.139	.152	.166	.227	.209	.177	.188	.184	.163	.159
Sweden.....	.073	.105	.116	.123	.126	.109	.091	.096	.100	.081	.081
Switzerland.....	.036	.052	.051	.063	.082	.083	.098	.096	.102	.101	.094
Turkey.....	.388	.365	.412	.452	.475	.477	.483	.442	.418	.412	.421
Japan.....	4.062	4.026	4.198	4.245	4.495	4.467	4.470	4.699	4.467	4.403	4.438
Korea, South ^{3/}	-	-	-	-	-	-	-	2.150	2.034	2.120	2.224
Other OECD.....	.510	.478	.512	.609	.563	.612	.653	.727	.710	.661	.553

1/ Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ Data for 1990-1996 are not available.

4/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

5/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

6/ Data for 1990 are for the former West Germany only.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in these groups. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.9 OECD Imports from Persian Gulf, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Imports from Persian Gulf											
Total ^{1/}	9.667	9.249	9.456	10.029	9.609	9.310	9.215	11.867	12.428	12.029	12.240
United States ^{2/} ...	1.961	1.835	1.774	1.775	1.722	1.563	1.594	1.747	2.131	2.459	2.483
Canada.....	.081	.084	.092	.105	.119	.070	.111	.120	.098	.089	.108
Mexico ^{3/}	-	-	-	-	-	-	-	.022	.015	.019	.019
OECD Europe ^{4/5/} ...	3.908	3.660	3.666	4.048	3.506	3.365	3.171	3.471	3.956	3.295	3.240
Main European Importers											
France.....	.864	.708	.640	.757	.651	.647	.573	.617	.730	.626	.601
Germany ^{6/}.....	.217	.227	.215	.250	.217	.172	.145	.157	.163	.140	.129
Italy.....	.626	.595	.573	.548	.430	.494	.502	.583	.658	.570	.578
Netherlands.....	.647	.609	.650	.744	.662	.563	.566	.584	.676	.621	.529
Spain.....	.291	.281	.231	.287	.275	.324	.304	.359	.419	.339	.336
European Net Exporters											
Norway.....	.000	.011	.000	.000	.000	.000	.000	.000	.000	-	-
United Kingdom...	.250	.222	.220	.303	.174	.135	.102	.094	.108	.031	.086
Smaller European Importers											
Austria.....	.016	.021	.031	.036	.038	.035	.004	.045	.049	.045	.042
Belgium.....	.250	.279	.292	.291	.232	.252	.263	.259	.307	.182	.223
Czech Republic ^{3/} ..	-	-	-	-	-	-	-	.002	.001	.000	.001
Denmark.....	.043	.004	.000	.002	.000	.000	.000	.002	.007	.002	.008
Finland.....	.011	.021	.023	.002	.002	.002	.000	.000	.001	.000	.000
Greece.....	.268	.219	.291	.253	.214	.223	.235	.282	.322	.279	.280
Hungary ^{3/}	-	-	-	-	-	-	-	.000	.001	.000	.000
Poland ^{3/}	-	-	-	-	-	-	-	.000	.001	.000	.000
Portugal.....	.073	.067	.074	.050	.117	.107	.083	.106	.136	.110	.091
Sweden.....	.039	.064	.068	.088	.076	.068	.067	.073	.071	.060	.052
Switzerland.....	.007	.007	.007	.008	.012	.007	.006	.008	.009	.007	.007
Turkey.....	.307	.324	.349	.429	.405	.336	.320	.301	.296	.282	.276
Japan.....	3.394	3.370	3.586	3.721	3.946	3.979	4.025	4.304	4.132	4.051	4.124
Korea, South ^{3/}	-	-	-	-	-	-	-	1.892	1.859	1.893	2.053
Other OECD.....	.322	.300	.338	.381	.316	.334	.313	.311	.237	.223	.212

1/ Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ Data for 1990-1996 are not available.

4/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

5/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

6/ Data for 1990 are for the former West Germany only.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •"Persian Gulf" consists of Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day.

•Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.10 United States--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	7.161	6.626	6.938	7.618	8.054	7.886	8.498	9.158	9.764	9.912	10.419
Imports from OPEC ^{1/}	4.172	3.918	3.888	4.103	4.036	3.979	4.194	4.542	4.881	4.934	5.182
Imports from Persian Gulf ^{2/}											
Total.....	1.961	1.835	1.774	1.775	1.722	1.563	1.594	1.747	2.131	2.459	2.483
Bahrain.....	-.001	-.001	-.002	-.002	-.002	-.003	-.002	-.002	-.001	.000	-.001
Iran.....	.000	.032	.000	.000	.000	.000	.000	.000	.000	.000	.000
Iraq.....	.518	.000	.000	.000	.000	.000	.001	.089	.336	.725	.620
Kuwait.....	.086	.006	.051	.353	.312	.218	.236	.253	.301	.248	.272
U.A.E.....	.016	.001	.004	.009	.011	.004	-.003	-.003	.000	-.002	.012
Qatar.....	.004	.000	.001	.001	.000	.000	.000	.004	.004	.010	.009
Saudi Arabia.....	1.339	1.797	1.720	1.414	1.402	1.344	1.363	1.406	1.491	1.477	1.571
Imports from OPEC-Africa											
Total.....	1.080	.956	.876	.956	.880	.859	.872	.979	.983	.915	1.121
Algeria.....	.280	.253	.196	.220	.243	.234	.256	.285	.290	.259	.225
Libya.....	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Nigeria.....	.800	.703	.680	.736	.637	.625	.616	.694	.693	.656	.896
Imports from OPEC-South America											
Total.....	1.016	1.020	1.161	1.295	1.322	1.468	1.667	1.758	1.701	1.481	1.530
Venezuela.....	1.016	1.020	1.161	1.295	1.322	1.468	1.667	1.758	1.701	1.481	1.530
Imports from OPEC-Far East											
Total.....	.113	.106	.075	.074	.109	.087	.058	.057	.065	.080	.047
Indonesia.....	.113	.106	.075	.074	.109	.087	.058	.057	.065	.080	.047

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •U.S. geographic coverage is the 50 States and District of Columbia. •Negative numbers represent net exports. •A dash (-) indicates no trade.

•Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.11 Japan--Net Oil Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	5.239	5.237	5.413	5.415	5.711	5.662	5.736	5.762	5.352	5.463	5.486
Imports from OPEC ^{1/}	4.062	4.026	4.198	4.245	4.495	4.467	4.470	4.699	4.467	4.403	4.438
Imports from Persian Gulf ^{2/}											
Total.....	3.394	3.370	3.586	3.721	3.946	3.979	4.025	4.304	4.132	4.051	4.124
Bahrain.....	.037	.037	.029	.025	.028	.029	.033	.023	.016	.017	.011
Iran.....	.385	.383	.362	.384	.459	.399	.451	.461	.473	.502	.498
Iraq.....	.146	.000	.000	.000	.000	.000	.000	.015	.017	.099	.072
Kuwait.....	.291	.014	.220	.368	.430	.501	.500	.557	.507	.515	.536
U.A.E.....	1.032	1.285	1.256	1.287	1.398	1.420	1.396	1.441	1.402	1.266	1.305
Qatar.....	.263	.285	.300	.330	.328	.335	.335	.364	.450	.442	.444
Saudi Arabia.....	1.240	1.367	1.420	1.327	1.303	1.296	1.310	1.441	1.268	1.210	1.258
Imports from OPEC-Africa											
Total.....	.011	.011	.007	.008	.017	.026	.032	.036	.025	.038	.017
Algeria.....	.010	.010	.007	.008	.012	.011	.012	.014	.012	.013	.002
Nigeria.....	.001	.001	.000	.000	.005	.016	.020	.023	.013	.025	.015
Imports from OPEC-South America											
Total.....	.011	.010	.010	.009	.009	.002	.003	.003	.000	.001	.012
Venezuela.....	.011	.010	.010	.009	.009	.002	.003	.003	.000	.001	.012
Imports from OPEC-Far East											
Total.....	.682	.673	.624	.533	.551	.488	.442	.380	.326	.329	.294
Indonesia.....	.682	.673	.624	.533	.551	.488	.442	.380	.326	.329	.294

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.12 OECD Europe--Net Oil Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports ^{1/}	8.604	8.837	8.745	8.552	7.775	7.652	7.829	7.841	8.406	7.684	7.813
Imports from OPEC ^{2/3/.....}	6.633	6.728	6.758	6.794	6.385	6.154	6.053	6.268	6.711	5.925	5.936
Imports from Persian Gulf ^{4/}											
Total ^{3/.....}	3.908	3.660	3.666	4.048	3.506	3.365	3.171	3.471	3.956	3.295	3.240
Bahrain.....	.020	.002	.003	.004	.003	.000	.001	.001	.004	.001	.002
Iran.....	1.190	1.132	1.113	1.253	1.074	1.149	1.059	.942	1.021	.938	.791
Iraq.....	.591	.000	.000	.001	.000	.000	.006	.337	.726	.808	.744
Kuwait.....	.346	.019	.142	.461	.302	.269	.288	.249	.275	.222	.259
U.A.E.....	.446	.281	.199	.092	.067	.011	.004	.009	.019	.005	.028
Qatar.....	.026	.009	.006	.000	.000	.002	.002	.000	.000	.000	.003
Saudi Arabia.....	1.290	2.217	2.203	2.237	2.060	1.933	1.811	1.932	1.911	1.321	1.413
Imports from OPEC-Africa											
Total ^{3/.....}	2.509	2.818	2.818	2.491	2.644	2.500	2.644	2.575	2.521	2.414	2.506
Algeria.....	.683	.757	.772	.693	.690	.724	.746	.687	.719	.712	.817
Libya.....	1.267	1.332	1.361	1.193	1.233	1.201	1.204	1.269	1.300	1.256	1.210
Nigeria.....	.559	.729	.686	.605	.721	.575	.694	.620	.502	.446	.479
Imports from OPEC-South America											
Total ^{3/.....}	.227	.249	.268	.240	.219	.273	.206	.206	.215	.212	.190
Venezuela.....	.227	.249	.268	.240	.219	.273	.206	.206	.215	.212	.190
Imports from OPEC-Far East											
Total ^{3/.....}	.008	.002	.009	.019	.019	.017	.033	.017	.024	.005	.003
Indonesia.....	.008	.002	.009	.019	.019	.017	.033	.017	.024	.005	.003

1/ Data for 1990-1992 exclude Czech Republic.

2/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

3/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

4/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •"OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.13 France--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	1.750	1.851	1.766	1.741	1.596	1.702	1.716	1.747	1.855	1.862	1.868
Imports from OPEC ^{1/}	1.101	1.021	.932	1.006	.956	.911	.897	.899	1.029	.915	.883
Imports from Persian Gulf ^{2/}											
Total.....	.864	.708	.640	.757	.651	.647	.573	.617	.730	.626	.601
Bahrain.....	.011	.000	.001	.002	.000	.000	.001	.000	.002	.001	.000
Iran.....	.182	.171	.151	.243	.156	.208	.172	.127	.157	.137	.102
Iraq.....	.062	.000	.000	.000	.000	.000	.000	.078	.171	.148	.148
Kuwait.....	.015	.011	.029	.032	.016	.022	.017	.017	.019	.036	.029
U.A.E.....	.233	.064	.033	.025	.003	.002	.001	.000	.012	.001	.007
Qatar.....	.022	.003	.002	.000	.000	.000	.000	.000	.000	.000	.002
Saudi Arabia.....	.339	.459	.424	.454	.477	.416	.381	.394	.369	.302	.314
Imports from OPEC-Africa											
Total.....	.233	.296	.281	.242	.301	.262	.323	.282	.301	.284	.277
Algeria.....	.092	.107	.105	.066	.089	.103	.105	.131	.115	.118	.123
Libya.....	.079	.104	.087	.063	.059	.043	.051	.060	.061	.067	.060
Nigeria.....	.062	.084	.090	.112	.153	.115	.168	.091	.126	.099	.094
Imports from OPEC-South America											
Total.....	.015	.017	.011	.010	.003	.002	.001	.000	.000	.002	.004
Venezuela.....	.015	.017	.011	.010	.003	.002	.001	.000	.000	.002	.004
Imports from OPEC-Far East											
Total.....	.000	.001	.001	.000	.000	.000	.000	.000	.000	.004	.001
Indonesia.....	.000	.001	.001	.000	.000	.000	.000	.000	.000	.004	.001

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.14 Germany--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	2.202	2.642	2.714	2.697	2.704	2.673	2.766	2.778	2.860	2.608	2.561
Imports from OPEC ^{1/}	.771	.859	.957	.948	.838	.711	.660	.645	.656	.597	.595
Imports from Persian Gulf ^{2/}											
Total.....	.217	.227	.215	.250	.217	.172	.145	.157	.163	.140	.129
Bahrain.....	-	-	-	.000	.001	.000	.000	.000	.000	-	-
Iran.....	.055	.053	.021	.053	.040	.031	.018	.023	.020	.016	.018
Iraq.....	.004	.000	.000	.000	.000	.000	.000	.001	.020	.017	.004
Kuwait.....	.013	.000	.009	.022	.026	.015	.016	.012	.016	.015	.013
U.A.E.....	.016	.012	.002	.002	.001	.000	.000	.001	.000	.000	.000
Qatar.....	.003	.002	.001	.000	.000	.000	.000	.000	.000	-	-
Saudi Arabia.....	.125	.161	.182	.173	.149	.125	.111	.120	.106	.091	.093
Imports from OPEC-Africa											
Total.....	.465	.524	.614	.594	.543	.461	.462	.442	.447	.417	.431
Algeria.....	.098	.126	.183	.195	.161	.135	.125	.095	.127	.098	.147
Libya.....	.244	.262	.252	.244	.244	.234	.258	.246	.277	.296	.244
Nigeria.....	.123	.136	.179	.154	.139	.093	.079	.101	.043	.023	.040
Imports from OPEC-South America											
Total.....	.088	.107	.128	.105	.079	.078	.053	.046	.046	.041	.035
Venezuela.....	.088	.107	.128	.105	.079	.078	.053	.046	.046	.041	.035
Imports from OPEC-Far East											
Total.....	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
Indonesia.....	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Data through 1990 are for the former West Germany. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.15 Italy--Net Oil Imports, 1990-2000
 (Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	1.788	1.750	1.819	1.728	1.760	1.802	1.773	1.775	1.809	1.731	1.744
Imports from OPEC ^{1/}	1.375	1.393	1.343	1.222	1.117	1.203	1.244	1.353	1.421	1.234	1.288
Imports from Persian Gulf ^{2/}											
Total.....	.626	.595	.573	.548	.430	.494	.502	.583	.658	.570	.578
Bahrain.....	.000	.001	.001	.000	.000	.000	.001	.000	.002	.000	.000
Iran.....	.192	.231	.239	.221	.143	.233	.263	.258	.273	.269	.208
Iraq.....	.079	.000	.000	.000	.000	.000	.000	.033	.108	.130	.168
Kuwait.....	.063	.000	.007	.012	.001	.000	.000	.000	.000	.003	.031
U.A.E.....	.075	.044	.013	.002	.000	.000	.000	.000	.000	.000	.000
Qatar.....	.000	.004	.001	.000	.000	.002	.002	.000	.000	-	-
Saudi Arabia.....	.216	.315	.312	.313	.286	.260	.236	.291	.274	.169	.171
Imports from OPEC-Africa											
Total.....	.740	.793	.757	.653	.660	.679	.714	.745	.723	.655	.697
Algeria.....	.155	.155	.140	.096	.099	.100	.110	.086	.083	.111	.129
Libya.....	.556	.581	.584	.542	.543	.562	.580	.609	.601	.516	.546
Nigeria.....	.029	.057	.034	.015	.018	.017	.025	.050	.039	.027	.023
Imports from OPEC-South America											
Total.....	.007	.004	.005	.002	.007	.014	.008	.012	.020	.007	.011
Venezuela.....	.007	.004	.005	.002	.007	.014	.008	.012	.020	.007	.011
Imports from OPEC-Far East											
Total.....	.003	.001	.009	.019	.019	.015	.021	.014	.023	.001	.001
Indonesia.....	.003	.001	.009	.019	.019	.015	.021	.014	.023	.001	.001

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.16 Korea, South--Net Oil Imports, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Average											
Total Net Imports..	1.046	1.205	1.523	1.770	1.874	1.991	2.171	2.310	2.015	2.158	2.224
Imports from OPEC ^{1/}	NA	2.150	2.034	2.120	2.224						
Imports from Persian Gulf ^{2/}											
Total.....	NA	1.892	1.859	1.893	2.053						
Bahrain.....	NA	.015	.030	.015	.016						
Iran.....	NA	.231	.213	.242	.247						
Iraq.....	NA	.000	.014	.020	.049						
Kuwait.....	NA	.226	.266	.266	.260						
U.A.E.....	NA	.403	.393	.375	.442						
Qatar.....	NA	.096	.109	.123	.150						
Saudi Arabia.....	NA	.921	.834	.852	.890						
Imports from OPEC-Africa											
Total.....	NA	.117	.069	.070	.034						
Algeria.....	NA	.012	.008	.011	.006						
Libya.....	NA	.001	.000	.000	.000						
Nigeria.....	NA	.104	.061	.058	.028						
Imports from OPEC-South America											
Total.....	NA	.001	.000	.002	.000						
Venezuela.....	NA	.001	.000	.002	.000						
Imports from OPEC-Far East											
Total.....	NA	.155	.136	.170	.152						
Indonesia.....	NA	.155	.136	.170	.152						

1/ OPEC=Organization of Petroleum Exporting Countries. See Appendix A for countries in this group.

2/ The Persian Gulf countries are all members of OPEC, except for Bahrain.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •Negative numbers represent net exports. •A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

NA=Not available.

Sources: See end of Section 4.

Table 4.17 OECD Imports from Iraq, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total ^{1/}	1.276	0.000	0.000	0.001	0.000	0.000	0.007	0.460	1.124	1.727	1.575
United States ^{2/}....	.518	.000	.000	.000	.000	.001	.089	.336	.725	.620	
Canada.....	.011	.000	.000	.000	.000	.000	.000	.014	.014	.027	.047
OECD Europe ^{3/4/}....	.591	.000	.000	.001	.000	.000	.006	.337	.726	.808	.744
Main European Importers											
France.....	.062	.000	.000	.000	.000	.000	.000	.078	.171	.148	.148
Germany ^{5/}.....	.004	.000	.000	.000	.000	.000	.000	.001	.020	.017	.004
Italy.....	.079	.000	.000	.000	.000	.000	.000	.033	.108	.130	.168
Netherlands.....	.117	.000	.000	.000	.000	.000	.000	.024	.113	.170	.066
Spain.....	.063	.000	.000	.000	.000	.000	.002	.074	.130	.123	.122
European Net Exporters											
United Kingdom....	.027	.000	.000	.000	.000	.000	.000	.000	-	-	-
Smaller European Importers											
Austria.....	.000	.000	.000	.001	.000	.000	.000	.017	.031	.035	.030
Belgium.....	.029	.000	.000	.000	.000	.000	.000	.010	.047	.027	.037
Czech Republic ^{6/} ..	-	-	-	-	-	-	-	.002	.000	.000	.001
Denmark.....	.000	.000	.000	.000	.000	.000	.000	.000	-	-	-
Greece.....	.044	.000	.000	.000	.000	.000	.000	.013	.013	.029	.037
Hungary ^{6/}	-	-	-	-	-	-	-	.000	.001	.000	.000
Portugal.....	.019	.000	.000	.000	.000	.000	.000	.011	.029	.031	.017
Sweden.....	.000	.000	.000	.000	.000	.000	.000	.000	-	.000	.007
Switzerland.....	.000	.000	.000	.000	.000	.000	.000	.001	.000	.000	.000
Turkey.....	.146	.000	.000	.000	.000	.000	.003	.074	.063	.097	.108
Japan.....	.146	.000	.000	.000	.000	.000	.000	.015	.017	.099	.072
Korea, South ^{6/}	-	-	-	-	-	-	-	.000	.014	.020	.049
Other OECD.....	.011	.000	.000	.000	.000	.000	.000	.005	.017	.048	.043

1/ Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

5/ Data for 1990 are for the former West Germany only.

6/ Data for 1990-1996 are not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Table 4.18 OECD Imports from Kuwait, 1990-2000
(Million Barrels per Day)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
	Average										
Total ^{1/}	0.740	0.039	0.414	1.191	1.081	0.997	1.034	1.291	1.356	1.258	1.326
United States ^{2/}....	.086	.006	.051	.353	.312	.218	.236	.253	.301	.248	.272
Canada.....	.004	-	-	.000	.027	.000	.000	.000	.000	.000	.000
OECD Europe ^{3/4/}....	.346	.019	.142	.461	.302	.269	.288	.249	.275	.222	.259
Main European Importers											
France.....	.015	.011	.029	.032	.016	.022	.017	.017	.019	.036	.029
Germany ^{5/}.....	.013	.000	.009	.022	.026	.015	.016	.012	.016	.015	.013
Italy.....	.063	.000	.007	.012	.001	.000	.000	.000	.000	.003	.031
Netherlands.....	.151	.002	.052	.254	.179	.176	.193	.168	.176	.142	.151
Spain.....	.010	.003	.000	.015	.000	.000	.000	.000	.000	.004	.002
European Net Exporters											
Norway.....	-	-	-	.000	.000	.000	.000	.000	.000	-	-
United Kingdom....	.045	.002	.027	.049	.058	.039	.032	.031	.025	.005	.016
Smaller European Importers											
Austria.....	.000	.000	.000	.000	.000	.000	.000	.000	-	-	-
Belgium.....	.000	.001	.006	.056	.005	.004	.015	.004	.014	.001	.000
Denmark.....	.034	.000	.000	.000	.000	.000	.000	.002	.007	.000	.004
Finland.....	-	.000	-	-	-	-	-	-	.001	.000	.000
Greece.....	.000	.000	.002	.005	.001	.000	.000	.000	.000	.001	.000
Portugal.....	.002	.000	.000	.000	.000	.000	.000	.000	-	-	-
Sweden.....	.001	.000	.000	.002	.000	.000	.000	.000	.000	.000	.000
Switzerland.....	-	.000	.000	.000	.000	.000	.000	.000	.000	-	-
Turkey.....	.011	.000	.010	.016	.016	.014	.015	.014	.016	.015	.013
Japan.....	.291	.014	.220	.368	.430	.501	.500	.557	.507	.515	.536
Korea, South ^{6/}	-	-	-	-	-	-	-	.226	.266	.266	.260
Other OECD.....	.013	.000	.000	.009	.011	.009	.010	.006	.006	.007	.000

1/ Data for 1990-1996 exclude Czech Republic, Hungary, Mexico, Poland, and South Korea.

2/ U.S. geographic coverage is the 50 States and District of Columbia.

3/ "OECD Europe" consists of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Turkey, and the United Kingdom.

4/ Data for 1990-1996 exclude Czech Republic, Hungary, and Poland.

5/ Data for 1990 are for the former West Germany only.

6/ Data for 1990-1996 are not available.

Notes: •Imports include crude oil, natural gas liquids, and refined products, and are on a direct basis. •OECD=Organization for Economic Cooperation and Development. See Appendix A for countries in this group. •Negative numbers represent net exports.

•A dash (-) indicates no trade. •Zeroes (.000) indicate net imports of less than 0.0005 million barrels per day. •Data for 2000 are preliminary.

Sources: See end of Section 4.

Sources for Section 4 (Historical Oil Data)

Crude Oil Production, Natural Gas Liquids Production, Other Liquids, and Refinery Gain

United States: • Energy Information Administration (EIA), Petroleum Supply Annual 2000; • Bureau of Mines, Mineral Industry Surveys, Petroleum Statement, Annual, various issues.

Other Countries: • EIA, International Energy Annual, various issues. • EIA, International Petroleum Annual, 1978. • United Nations, Yearbook of World Energy Statistics, 1979. Refinery Gains: National Petroleum Council, U.S. Petroleum Refinery Study, November 1986.

Oil Stocks

United States: EIA, Petroleum Supply Annual 2000.

Other OECD Countries: • 1973-1982: Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • 1983-2000: OECD, Monthly Oil Statistics in the EIA, International Energy Database.

Oil Demand

United States: EIA, Petroleum Supply Annual 2000.

Other OECD Countries: • 1973-1981: OECD, Quarterly Oil Statistics and Energy Balances, various issues. • OECD, Annual Oil Statistics data base, 1970-1979. • 1982-2000: OECD, Monthly Oil Statistics in the EIA International Energy Database.

Oil Imports

United States: Energy Information Administration (EIA), Petroleum Supply Annual 2000.

Other OECD Countries: • Organization for Economic Cooperation and Development (OECD), Quarterly Oil Statistics and Energy Balances, various issues. • OECD Monthly Oil Statistics database, 1991-2000.

Appendix A

Organizational and Geographical Definitions

Appendix A. Organizational and Geographical Definitions

International Energy Agency (IEA) countries are: Australia, Austria, Belgium, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Japan, Luxembourg, Netherlands, New Zealand, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, United Kingdom, and United States.

Organization for Economic Cooperation and Development (OECD) countries are: Australia, Austria, Belgium, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Mexico, Netherlands, New Zealand, Norway, Poland, Portugal, Slovakia, South Korea, Spain, Sweden, Switzerland, Turkey, United Kingdom, and United States. Total OECD includes the United States Territories (Guam, Puerto Rico, and the U.S. Virgin Islands). Total OECD excludes data for Slovakia which are not yet available.

OECD Europe countries are: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Portugal, Slovakia, Spain, Sweden, Switzerland, Turkey, and United Kingdom. OECD Europe excludes data for Slovakia which are not yet available.

Organization of Petroleum Exporting Countries (OPEC) members are: Algeria, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. As of December 31, 1992, Ecuador withdrew its membership in OPEC, and as of December 31, 1994, Gabon withdrew its membership. For consistency, Ecuador and Gabon are excluded in the historical series of OPEC totals.

Arab members of OPEC are: Algeria, Iraq, Kuwait, Libya, Qatar, Saudi Arabia and the United Arab Emirates.

Organization of Arab Petroleum Exporting Countries (OAPEC) are: Algeria, Bahrain, Egypt, Iraq, Kuwait, Libya, Neutral Zone, Qatar, Saudi Arabia, Syria, Tunisia, and the United Arab Emirates. In April 1979 Egypt was suspended from OAPEC membership. In May 1989 Egypt rejoined OAPEC. For consistency, Egypt is included in the historical series of the OAPEC totals.

Persian (Arabian) Gulf countries are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

The term "Former USSR" is being used in the International Petroleum Monthly as a purely geographical expression, referring to the Commonwealth of Independent States (CIS), Georgia, and the three Baltic States (Estonia, Latvia, and Lithuania).

Appendix B

Explanatory Notes

Appendix B. Explanatory Notes

Note 1: World Oil Supply

Supply includes production of crude oil (including lease condensate), natural gas plant liquids, other hydrogen and hydrocarbons for refinery feedstocks, refinery processing gain, alcohol, and liquids produced from coal and other sources. Beginning in 1993, U.S. data includes fuel ethanol blended into finished motor gasoline and oxygenate production from merchant MTBE plants.

Note 2: Oil Stocks

The International Energy Agency (IEA) assembles and reports total oil stock data for the member countries of the Organization for Economic Cooperation and Development (OECD). Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products. In its report titled Oil, Gas, Coal, & Electricity Quarterly Statistics, the IEA defines oil stocks as follows: "All non-military stocks held by importers (including all final consumers directly), refiners, Governments, major non-importing final consumers eligible under IEA/OECD commitments and by foreign entities in the following facilities: bulk terminals, refinery tanks, pipeline tankage, barges, intercoastal tankers (when port of departure and destination are in the reporting country), tankers in port (to the extent that their cargo is to be unloaded in the reporting country), and inland ship bunkers. Oil is reported regardless of the ownership of such storage facilities." IEA data exclude "oil held in pipelines, in rail tank cars, in truck tank cars, in sea-going ships' bunkers, in service stations, retail stores and in tankers at sea." Also the IEA defines the United States to be the 50 States and the District of Columbia, and the U.S. Territories (Guam, Puerto Rico, and the U.S. Virgin Islands). The Energy Information Administration (EIA) does not include the United States Territories in its statistical definition of the United States. Further, the EIA includes oil in oil pipelines as part of its stock data. Tables 1.5, 1.6, 2.3, and 4.5 include oil stocks for the United States according to EIA definitions. Using IEA definitions, at the end of June 2001 United States (including territories) oil stocks totaled 1,408 million barrels.

Oil stock data are collected by the IEA from member governments in OECD countries. However, data for oil stocks for export, oil stocks afloat, and commercial floating oil stocks are not usually available from official national sources. The source of these data is Petroleum Economics Limited, *Oil Industry Developments*.

Data for on land stocks in countries outside the OECD are generally not available.

Note 3: Changes in Oil Demand (Consumption) Data Series

Starting with the November 2001 edition of the *International Petroleum Monthly*, petroleum statistics for 1997 and forward have been recalculated to account for more precise information available from the IEA. The changes in consumption include: enhancements to the accounting of backflows to refineries; the accounting for lubricants; improvements in the conversion factors for changing natural gas liquids and liquefied petroleum gases from metric tons to barrels; and the availability of monthly data for the Czech Republic, Hungary, Mexico, Poland, and South Korea. At this time, EIA does not have sufficiently detailed and consistent information to revise the OECD data series prior to 1997.

The revisions to 1997-2000 annual data for most countries were minor but six countries had changes of 25,000 barrels per day or more in one or more of those years. Italy had the largest revisions as estimated consumption was decreased by more than 125,000 barrels per day for each of the years 1997 through 1999. Canada's consumption was increased by over 80,000 barrels per day for each of the years between 1997 and 2000. South Korea's consumption was decreased in

1997 and 1998 (by 132,000 and 43,000 barrels per day, respectively) and increased in 1999 (by 35,000 barrels per day). Mexico's consumption was increased by 25,000 barrels per day in 1999; and, in 2000, consumption was increased by 37,000 barrels per day in Japan and by 25,000 barrels per day in the United Kingdom.

Though six countries had significant changes in estimated oil demand, the overall estimates of OECD oil demand changed only slightly between data using the older estimation methods and data using the newer estimation methods. The *International Energy Annual (IEA99)* – released in February 2001 – used the older methods. The *International Petroleum Monthly* – released in November 2001 – used the newer methods. Using the newer methods, the data for total OECD oil demand declined by 0.4 percent for 1997, declined by 0.1 percent for 1998, and rose by 0.2 percent for 1999.

Appendix C

Glossary

Appendix C. Glossary

Alcohol: The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group, $\text{CH}_3\text{-}(\text{CH}_2)_n\text{-OH}$. Included are methanol, ethanol, and tertiary butyl alcohol.

Demand (Consumption/Petroleum Products Supplied): Total petroleum products supplied is the sum of all petroleum products supplied. For each product, the amount supplied is calculated by summing production, crude oil burned directly, imports, and net withdrawals from primary stocks and subtracting exports.

Crude Oil: A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface-separating facilities. Depending upon the characteristics of the crude stream, it may also include:

1. Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;
2. Small amounts of nonhydrocarbons produced with the oil, such as sulfur and various metals;
3. Drip gases, and liquid hydrocarbons produced from tar sands, Gilsonite, and oil shale.

Government-Owned Stocks: Oil stocks owned by the national government and held for national security. In the United States, these stocks are known as the Strategic Petroleum Reserve.

Lease Condensate: A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas plant liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities.

Liquefied Petroleum Gases: A group of hydrogen-based gases derived from crude oil refining or natural gas fractionation. They include ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

Natural Gas Plant Liquids: Those hydrocarbons in natural gas that are separated as liquids at downstream natural gas processing plants or at fractionating and cycling plants. Data on lease condensate are excluded. Products obtained include liquefied petroleum gases and pentanes plus.

Oil Stocks: Oil stocks include crude oil (including strategic reserves), unfinished oils, natural gas plant liquids, and refined petroleum products stored for future use. See Explanatory Note 2 in Appendix B.

Other Hydrocarbons: Materials received by a refinery and consumed as raw materials. Includes hydrogen, coal tar derivatives, Gilsonite, and natural gas received by the refinery for reforming into hydrogen. Natural gas to be used as fuel is excluded.

Oxygenates: Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

Pentanes Plus: A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Petroleum Products: Products obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and other miscellaneous products.

Refinery Processing Gain: The amount by which the total volume of refinery output is greater than the total volume of refinery input for a given period of time. The processing gain arises when crude oil and other hydrocarbons are processed into petroleum products that are, on average, less dense than the input.

Refinery Processing Loss: The amount by which the total volume of refinery output is less than the total volume of refinery input for a given period of time. The processing loss arises when crude oil and other hydrocarbons are processed into petroleum products that are, on average, more dense than the input.

Appendix D

Estimation Procedures

Appendix D. Estimation Procedures

Estimation procedures are used for demand numbers in many of the countries outside of the OECD, in cases where data from EIA's International Energy Annual are not yet available. Demand numbers for 1999 and earlier years, for these countries, may be found in EIA's International Energy Annual 1999, published in February 2001, which is the most recent published edition of the International Energy Annual. EIA's WORLD ENERGY database contains final demand data for these countries for 1998, and preliminary demand data for them for 1999. Instructions for downloading this database may be found on EIA's home page (<http://www.eia.doe.gov/emeu/world/main1.html>). The status of the demand numbers shown in Section 2 of this current International Petroleum Monthly may be summarized as follows.

The OECD demand numbers are, as usual, based on the latest Monthly Oil Statistics data from the International Energy Agency.

For countries outside of the OECD, the following approach is used. The numbers for 1999 and earlier years match the demand numbers in the WORLD ENERGY database on EIA's home page. Numbers for 2000 forward are the best available EIA estimates, based upon the best annual data currently available, analytic judgment about current trends, and some seasonal adjustments. These are the same numbers that appear in the international oil balance table in EIA's Short-Term Energy Outlook.

The two largest non-OECD oil consumers are China and Russia. For these two countries, published data are available on production and net exports. Demand is computed as production minus net exports. This is the same approach used in the Short-Term Energy Outlook, by the International Energy Agency in their Monthly Oil Market Report, and in other major publications dealing with international oil data. Note, however, that because of this computation, the demand numbers for China and Russia implicitly exclude stock draw and refinery gain.

Appendix E

Conversions

Table E1. Refined Petroleum Products Conversion Factors

Product	Barrels per Metric Ton
Distillate Fuel Oil	7.46
Gasoline, Aviation	8.90
Gasoline, Motor	8.45
Jet Fuel, Kerosene-type	7.88
Jet Fuel, Naptha-type	8.25
Kerosene	7.88
Liquefied Petroleum Gas (LPG)	11.60
Miscellaneous Products	8.00
Naphthas	8.90
Natural Gas Liquids (NGL)	10.30
Petroleum Coke	5.50
Residual Fuel Oil	6.45

Table E2. Barrels of Crude Oil per Metric Ton, 1990-1999

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
North America										
Canada	7.186	7.186	7.186	7.186	7.186	7.186	7.186	7.186	7.186	7.186
Mexico	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965	6.965
United States	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333	7.333
Central & South America										
Argentina	7.120	7.120	7.120	7.120	7.120	7.120	7.120	7.120	7.120	7.120
Bolivia	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881	7.881
Brazil	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056	7.056
Chile	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Colombia	7.080	7.080	7.080	7.080	7.080	7.080	7.080	7.080	7.080	7.080
Cuba	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449	6.449
Ecuador	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130	7.130
Peru	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407	7.407
Trinidad and Tobago	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
Venezuela	6.890	6.890	6.890	6.890	6.890	6.890	6.890	6.890	6.890	6.890
Western Europe										
Austria	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200
Denmark	7.405	7.405	7.405	7.405	7.405	7.405	7.405	7.405	7.405	7.405
France	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Germany	--	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330
Germany, East	7.340	--	--	--	--	--	--	--	--	--
Germany, West	7.247	--	--	--	--	--	--	--	--	--
Greece	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231	7.231
Italy	7.300	7.300	7.300	7.300	7.300	7.300	7.300	7.300	7.300	7.300
Netherlands	7.239	7.239	7.239	7.239	7.239	7.239	7.239	7.239	7.239	7.239
Norway	7.644	7.644	7.644	7.644	7.644	7.644	7.644	7.644	7.644	7.644
Spain	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Sweden	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.623	6.623
Turkey	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200	7.200
United Kingdom	7.523	7.523	7.523	7.523	7.523	7.523	7.523	7.523	7.523	7.523
Former Yugoslavia	7.418	7.418	--	--	--	--	--	--	--	--
Croatia	--	--	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Serbia and Montenegro	--	--	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Slovenia	--	--	--	7.418	7.418	7.418	7.418	7.418	7.418	7.418

-- = No Production of this form of energy.

Sources: International Energy Annual 1999. DOE/EIA-0219(99) (February 2001).

Table E2. Barrels of Crude Oil per Metric Ton, 1990-1999 (continued)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Eastern Europe & Former U.S.S.R.										
Albania	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594	6.594
Bulgaria	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332	7.332
Former Czechoslovakia	6.780	6.780	6.780	--	--	--	--	--	--	--
Czech Republic	--	--	--	6.780	6.780	6.780	6.780	6.780	6.780	6.780
Slovakia	--	--	--	6.780	6.780	6.780	6.780	6.780	6.780	6.780
Hungary	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690	6.690
Poland	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418	7.418
Romania	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Former U.S.S.R.	7.270	7.270	--	--	--	--	--	--	--	--
Azerbaijan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Belarus	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Georgia	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Lithuania	--	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Kazakhstan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Kyrgyzstan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Russia	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Tajikistan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Turkmenistan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Ukraine	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Uzbekistan	--	--	7.270	7.270	7.270	7.270	7.270	7.270	7.270	7.270
Middle East										
Bahrain	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Iran	7.350	7.350	7.350	7.350	7.350	7.350	7.350	7.350	7.350	7.350
Iraq	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430	7.430
Israel	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247	7.247
Jordan	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190	7.190
Kuwait	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250	7.250
Oman	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330	7.330
Qatar	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Saudi Arabia	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323	7.323
Syria	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290	7.290
United Arab Emirates	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596
Yemen	7.631	7.631	7.631	7.631	7.631	7.631	7.631	7.631	7.631	7.631

-- = No Production of this form of energy.

Sources: International Energy Annual 1999. DOE/EIA-0219(99) (February 2001).

Table E2. Barrels of Crude Oil per Metric Ton, 1990-1999 (continued)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Africa										
Algeria	8.130	8.130	8.130	8.130	8.130	8.130	8.130	8.130	8.130	8.130
Angola	7.409	7.409	7.409	7.409	7.409	7.409	7.409	7.410	7.410	7.410
Benin	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870	6.870
Cameroon	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205	7.205
Congo (Brazzaville)	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506	7.506
Congo (Kinshasa)	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.320
Cote d'Ivoire (Ivory Coast) . . .	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Egypt	7.256	7.256	7.256	7.256	7.256	7.256	7.256	7.260	7.260	7.260
Equatorial Guinea	--	8.077	8.077	8.077	8.077	8.077	8.077	8.077	8.077	8.077
Gabon	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305	7.305
Ghana	--	--	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Libya	7.580	7.580	7.580	7.580	7.580	7.580	7.580	7.580	7.580	7.580
Morocco	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600	7.600
Nigeria	7.315	7.315	7.315	7.315	7.315	7.315	7.315	7.500	7.500	7.500
South Africa	--	--	--	--	--	--	--	--	7.720	7.720
Sudan	--	-	7.452	7.452	7.452	7.452	7.452	7.452	7.452	7.452
Tunisia	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689	7.689
Far East & Oceania										
Australia	7.868	7.868	7.868	7.868	7.868	7.868	7.868	7.868	7.868	7.868
Bangladesh	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453	7.453
Brunei	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340	7.340
Burma	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084	7.084
China	7.320	7.320	7.320	7.320	7.320	7.320	7.320	7.300	7.300	7.300
India	7.440	7.440	7.440	7.440	7.440	7.440	7.440	7.330	7.330	7.330
Indonesia	7.360	7.360	7.360	7.360	7.360	7.360	7.360	7.360	7.360	7.360
Japan	7.357	7.357	7.357	7.357	7.357	7.357	7.357	7.357	7.357	7.357
Malaysia	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641	7.641
New Zealand	7.321	7.321	7.321	7.321	7.321	7.321	7.321	7.321	7.321	7.321
Pakistan	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500	7.500
Papua New Guinea	--	7.809	7.809	7.809	7.809	7.809	7.809	7.809	7.809	7.809
Philippines	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285	7.285
Taiwan	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568	6.568
Thailand	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758	6.758
Vietnam	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082	7.082

-- = No Production of this form of energy.

Sources: International Energy Annual 1999. DOE/EIA-0219(99) (February 2001).